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THROUGH SIBERIA

By HENRY LANSDELL

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ETHNOGRAPHICAL MAP OF SIBERIA.
Author's Route.
ARCTIC OCEAN
ISLAND OF NEW SIBERIA
ZEMLIA
SIBERIA
KAMTSCHATKA
SEA OF OKHOTSK
JAPAN

CHAPTER XXXI.

SIBERIAN POLITICAL PRISONERS.

The Za-Baikal a natural prison.—"Decembrists" of 1825.—Misapprehensions respecting political prisoners.—The story of Elizabeth.—Vindictive foreign writers.—Palpable misstatements.—Misleading information.—Dostoyeffsky's "Buried Alive."—Rosen's "Russian Conspirators."—Present condition of political prisoners.—Testimony of Poles.—Treatment of an attempted regicide.—The number of "politicals" exaggerated.—Calculations concerning them.—Their mode of transport.—Paucity of statistics accounted for.

THE Trans-Baikal province, east of the "Holy Sea," was, until within the past 30 years, a *cul-de-sac*, to which the gravest of political offenders were commonly deported. It lay outside the two great routes of Siberian travel. The traveller to the Pacific, by way of the Lena, left the province on his right; the merchant going to Kiakhta passed it on his left. There was, indeed, a road running through the province, but it might be said to lead to nowhere. It was, moreover, a country from which a prisoner found it difficult to escape. If he went to the north he came to enormous forests, in which, though he might find berries in summer, he could not live in winter. Southwards he was hemmed in by the Mongolian desert. The road eastwards brought him to a river, down which, if he could float 2,000 miles and escape the jealous Chinese, he might reach the Pacific;

or, again, if he turned to the west, and rounded or crossed the Baikal lake, he was likely to be caught in the neighbourhood of Irkutsk; and lastly, in whatever direction he went, there was a price on his head that could be claimed by any Buriat who chose to make him his prisoner, and bring him to the authorities either dead or alive.

There was also another reason, which, in the eyes of the Government, made the Za-Baikal a suitable place in which to confine the worst offenders; for the province is rich in silver and gold, and gems are found in its mountains. It provided a place, therefore, where they could segregate disturbing elements of society, exact enforced labour from their convicts, and to some extent mitigate the cost of keeping them by the value of the minerals obtained. Consequently "the silver-mines of Nertchinsk" has long been an expression, at the mention of which the ears of Russians tingle; and so it was with the prisons of Chita and Petrovski,—connected in their minds with political exiles, and especially with certain of them called "Decembrists," who in December 1825 tried to raise revolt among the soldiers of Nicolas, and deprive him of his throne.

The mines of Nertchinsk and Kara will be treated of in subsequent chapters. I purpose to speak in this, not of political exiles with their families and descendants generally, but of the condition of *political prisoners*, past and present, and of certain buildings in which some of them have been confined. That there exists a great deal of exaggeration and misapprehension in England, on the Continent, and in America respecting the number, misery, and degradation of

Russian political prisoners I am persuaded; nor is this hard to account for if regard be had to the character of the books which profess to give information upon the subject.

Let us begin, for instance, with the touching story of "Elizabeth; or, the Exiles of Siberia," by Madame de Cottin, to whose work many English persons are indebted for nearly all they know of Siberia. The book so far resembles the truth that, in 1799, a young girl of 18, the only daughter of a Russian exiled officer, Proscovie Lopouloff, formed the project of asking forgiveness for her parents, for which purpose she left Ischim, near Tobolsk, with a few roubles in her pocket, walked in 18 months 2,000 miles to the capital, was presented, and obtained her petition, the real account of which is told by Xavier de Maistre in "La Jeune Sibérienne." But Madame de Cottin imported a love-match into the story, and produced one of the most popular books of her day, depicting, however, a narrative for which she had to rely largely upon her imagination for many details. She paints a picture of Siberian exile life very different from anything I ever heard, saw, or read of in the country itself. Her mistakes, however, were the mistakes such as any foreign author might easily commit in laying the scene of a story in a country then almost unknown.

Less excuse can be made for later writers (some of them escaped or released convicts), who, trading upon the credulity and ignorance of the public, have retailed and garnished accounts of horrible severities, which they neither profess to have witnessed, nor attempt to support by adequate testimony. In one of these

books, by Alexander Hertzen, published in 1855, the author naïvely says in the preface that, having written in London a work, entitled "Prison and Exile," which met with success, he decided to write another volume. He accordingly did so, and had the audacity to call it "My Exile in Siberia"; whereas, on reading the book, we find that he was not exiled to Siberia at all, but simply banished for awhile to Perm, which is in Russia in Europe! Again we have, in De Lagny's "Knout and the Russians," published in 1854, a tirade against Russia all through, in which words bad enough can hardly be found to vilify its army, navy, nobility, and clergy; whilst in the following year was published "Recollections of Russia by a German Nobleman," in which he states that, for prisoners, water was drawn up green from the filthiest canal in Petersburg; and, as if that were too little, he adds that, after being knouted, the prisoners had to drink their own blood!

The books quoted thus far are mostly foreign productions, which have been translated into English; but within the past three years has been published in London a book called "The Russians of To-day," by the author of "The Member for Paris," and dedicated to the Duke of Sutherland, which gives the following account of a Russian prison (page 86):—

"A Russian gaol is not built on any wasteful plan of keeping prisoners warm and comfortable. A black, mouldy house, situate in one of the slums of the town, it is guarded by a dozen corp-headed soldiers, and has a painted escutcheon with the Imperial double-headed eagle over the gate. There is a whipping-post in the

front yard. Thieves, murderers, boys, lunatics, women, are all huddled together in a room of foul stenches, warmed by a stove, and the only food served out to them is a pound of black bread in the morning, and a mess of rancid soup at mid-day. The sexes are separated at night."

Now as there will appear to be a great difference between this account and what has been stated in my chapters on Siberian prisons, I think it only right to say that I have visited Russian houses of detention from the White Sea in the north to the Black Sea and the Persian frontier in the south, and from Warsaw in the west to the Pacific in the east, but have never yet seen a Russian prison such as fairly answers to the description given above. My experience would place prisons in the suburbs rather than the "slums" of towns; and as for their atmosphere, I may safely say that the air I breathed in the worst Russian prison was incomparably better than that I had temporarily to endure in some of the peasants' houses, or which may be inhaled in many of the post-houses. The "one pound of black bread" should be multiplied by two and a half or three, and in some cases *four;* and as for "the whipping-post," I have seen such a thing in English and in American prisons, but not in Russia. The "*kobyla*," or "mare," used in flogging with the "*plète*" in *Siberia*, will be described further on; and I do not deny that in Russia there may be *some* instrument to which those to be birched are fastened, but I have never seen one, though I have usually made a point of asking concerning the mode of corporal punishment.

Again, the same author says (page 217):—

"The convicts are forwarded to Siberia in convoys, which start at the commencement of spring, just after the snows have melted and left the ground dry. They perform the *whole* journey on foot, escorted by *mounted* Cossacks, who are armed with pistols, *lances*, and long *whips;* and behind them jolt a long string of springless tumbrils, to carry those who fall lame or ill on the way. The start is *always* made in the night, and care is taken that the convoys shall only pass through the towns on their road *after dark*. Each man is dressed in a grey kaftan, having a *brass numbered plate* fastened to the *breast*, *knee* boots, and a *sheepskin* bonnet. He carries a *rug* strapped to his back, a mess-tin, and a wooden spoon at his girdle. The women have black cloaks with hoods, and march in gangs by *themselves*, with an escort of soldiers like the men, and two or three female *warders*, who travel in carts.

"In leaving large cities like Petersburg, *all* the prisoners are chained with their hands *behind their backs;* but their fetters are removed outside the city, except in the case of men who have been marked as dangerous. These have to wear leg-chains of 4 lbs. weight all the way; and some of the more desperate ones are yoked by threes to a *beam of wood*, which rests on their shoulders, and is fastened to their necks by iron collars."

The author then goes on to say that "Nihilist conspirators, patriotic Poles, and young student girls, are all mixed up, and tramp together with the criminals."

The words I have italicised (of which there are 23 in 26 lines) involve, in many cases, palpable misstatements. In others they are blunders, or are, at all events, open to serious question. As in the case of

Madame de Cottin (only with less innocence), a very free rein has been here given to the imagination. The avoiding of towns by day, the brass plate on the breast (instead of a piece of yellow *cloth* on the *back*), the accompanying female warders, and the chaining of men's hands behind their backs, are *blunders* utterly inexcusable; and as for the mounted Cossacks with whips, and the "beams of wood" on some of the exiles' necks—*if* the Cossacks were *mounted*, they would naturally have whips as part of their accoutrements, as they do even when riding behind the carriage of the Emperor, but the "beam of wood" is a pure invention. I never saw, heard, or read of such an instrument. Upon these last two points, however, to correct my own opinion if wrong, I spoke to an Englishman living in a town through which pass all the Siberian exiles. He has lived there many years, and has seen exiles from Perm to Kiakhta, and under all conditions. He tells me, however, that he *never* saw this wooden collar, and never saw soldiers with whips to conduct exiles; and he added, further, that he had never witnessed them using exiles improperly or unfairly. Thus it will be seen that some of the information offered to the public respecting Russian exiles is open to more than suspicion of grave misrepresentation.

But there is yet a third class of books which, in detailing past horrors, leads public opinion astray, not so much by saying what is absolutely untrue, as by omitting to point out that since the horrors they relate were enacted, the law has been altered, and that they are now a thing of the past. Englishmen would think themselves very unfairly dealt with if a foreigner, having seen an old pair of stocks in an English village, appealed

to this as proof that persons are still exposed therein; or if he hunted up stories of Tyburn, with accounts of gibbeted felons hung, drawn, and quartered, or pilloried criminals with slit noses and cropped ears, and then represented this as the existing state of things, or left his readers so to infer. This would be very similar to the treatment Russia receives at the hands of prejudiced and careless writers now-a-days, as will be seen more fully hereafter when we speak of the mines.

To keep, however, for the present, to books about prisons, and to mention one more which has appeared in English dress during the present year—namely, Dostoyeffsky's "Buried Alive; or, Ten Years' Penal Servitude in Siberia," to which I naturally turned with interest as it was written by a Russian. I was struck at the outset with the significant fact that the reader is not properly informed as to places and dates. The introduction sets forth that a certain Alexander Petrovitch Goryantchikoff died, after whose death there was found among his papers a bundle of manuscripts, which the editor, Feodor Dostoyeffsky, thought would interest the public. But scarcely a word is dropped to inform the reader when the events referred to took place, and he is left to form the very natural conclusion that he is reading of things as they now exist. My suspicions being aroused, I put on my best critical spectacles to discover, if possible, *where* the events happened, and *when*. The writer mentions having been in Tobolsk, and says that his prison was near the banks of the Irtish. Now there was, and perhaps is, a prison on the banks of the Irtish at Tara, the same from which Rufin Pietrowski made his escape; and at first I was disposed to think this was the place

of Goryantchikoff's captivity, but two subsequent allusions gave me additional light: one, that in the prison was a Jew who went out in the town to a *synagogue;* and another, that on some prisoners running away the *Governor-General* was told of it. Now, assuming that the Governor-General was living in the town, then the only prison situate on the banks of the Irtish, in a town with a synagogue and the residence of a Governor-General, would be Omsk, and here accordingly I adjudged my man as to his *place.* Then as for the *date.* The writer speaks of prisoners' chains made of "four iron rods, the size of the finger, connected by three rings and worn under the trousers." I saw none like these. All we saw had small *links,* and hence I assumed that the chains described must have been of an old-fashioned pattern of former days, and I have since learnt that chains such as the man describes were seen on a prisoner going to the Caucasus in 1842. Next he speaks a good deal of flogging, and mentions the running of a prisoner down "the green lane," that is, between two rows of soldiers, each of whom gave the culprit a stroke with a stick. But this method of punishment has long been abolished in Russia; and, finally, the writer, when speaking of his conversation with a fellow-prisoner, happens to use this sentence: "I explained to him Napoleon's position, adding that he might, perhaps, some day become Emperor of the French." Taking, therefore, these three *data,* that Napoleon became Emperor in 1851, that the flogging of the description mentioned was abolished not later than 1860, and the old pattern of the chains, I came to the conclusion that the story must represent events at

least 30 years old; and I have since heard that it was about as long ago the book appeared in Russia. Now, of course, the translation might not have sold so well had readers been informed that it treats of a state of things more than a quarter of a century old; yet, no doubt, so candid a statement would have prevented many from forming false opinions respecting the present state of Siberian prisons.*

But Goryantchikoff's, it should be remembered, is a picture of a convict prison for *criminals*, and not for *political* prisoners, who are treated as a class by themselves,—so much so that they are sent to Siberia, not usually walking, under the charge of Cossacks, but driving furiously under guard of gendarmes; and if

* Let me not fail to add, however, that the whole tone of Dostoyeffsky's book is far above that of the vindictive class of writers, some of whom have been alluded to. It gives an inner view of prison life, such as no inspector, or philanthropist, or person visiting prisons as I did, could furnish. Some of this writer's statements, indeed, would hardly tally with my own experience, as, for instance, that they had the bath *seldom*, whereas I found it the rule once a fortnight, and at Tiumen and Tomsk once a week; above all, the statement that prisoners were thrashed if found sleeping on their backs, or the left side instead of the right; also what he says of thrashing generally, to which I shall allude hereafter. But I have to thank Alexander Goryantchikoff for his life-like pictures, many of which illustrate scraps of information I received concerning the Siberian prison world—such, for instance, as the various occupations carried on in secret among the convicts, one being a pawnbroker, another a *vodka* seller, others smugglers of spirits into the prison, the card-playing at night, the exchanging of their names and punishments, and the horrible language and fighting and quarrelling of the prisoners. In these things I make no doubt that "Buried Alive" gives a fairly accurate picture of things as they were, and in some cases still are, perhaps, among such prisoners as those with whom the lot of Goryantchikoff (himself a murderer) was cast. Further light also is thrown upon the interior of prison life in Siberia by the papers of M. Andreoli in *La Revue Moderne* for 1868, in which he speaks of the tricks and vices of both prisoners and officials, and of the evil effects of the gang system. A great deal of this is inevitable where a number of the most desperate felons are herded together.

they need to lodge at an ordinary prison, they are kept in special rooms, and so jealously watched that frequently I was not allowed to approach the inspection hole so much as to look at them. It may be that when they reach their destination they have, in some cases, to work outdoors in company with criminals. I think I met one case of this at Kara, but even he, in the prison, was kept apart.

Probably the best, and, as far as I know, the only book in English which gives the description by an eye-witness of life in a *political* prison is "Russian Conspirators in Siberia," by Baron R(osen). He relates his taking part in the attempt to incite the soldiers to revolt on the accession of Nicolas in 1825, and how he was condemned with 120 comrades, large numbers of whom were counts, barons, princes, and some of the very flower of the Russian nobility. About 30 were at once transported to Chita. There they remained until a new prison was built expressly to contain them all at Petrovski, near Verchne Udinsk, at which place are the ironworks already alluded to. In these two places of confinement the Baron spent six years. I do not remember that he ever speaks of one of his comrades being thrashed. The Russian law, even in those days, held exempt from corporal punishments every noble, not only during his trial, but after his condemnation. The wearing of chains was included among corporal punishments, and it was forbidden to put them on nobles going into exile; but the law appears to have been set aside in the case of some of the Decembrists. The Baron describes their labour as that of digging and grinding corn in hand-mills. One of their first occupations was to dig the founda-

tions for their new prison. "Every day," the Baron writes, "except Sundays and holy days, the non-commissioned officer on guard entered early in the morning with the call of 'Gentlemen, to work!' In general we set out with songs on our lips and energy in our hearts; no constraint was used towards us." He gives likewise a vivid picture of their amusements and their studies. Playing-cards they might have had through the warders, but they wisely passed their word to each other not to allow card-playing, in order to prevent any cause of unpleasantness or dissension. Chess was their sole amusement between the time of work and sleep, and they formed among themselves a company of singers, which cheered many a sad hour. Some of them endeavoured, by study, further to improve their minds. One learnt not only Latin and Greek, but also eight modern languages; and it says much for the high education of the prisoners that this proficient found an instructor in each of the languages among his comrades, one of whom was still living, not many years ago, at Petrovsky Zavod, and lent my informant several books from what was the Decembrist library. They had, too, a room in which they practised the piano, the flute, the flageolet, the violin, and guitar. The most touching part of the book, however, recounts the arrival of some of the prisoners' wives. Every effort short of absolute denial had been employed to prevent these noble ladies from expatriating themselves. Their heroic determination wrung tears from the eyes of the officials who had in vain dissuaded them. These ladies were compelled to resign their titles, and were warned that they would not be permitted to return. Several of them, notwithstanding,

gave up all to be allowed to join their husbands, and in so doing covered their names with undying lustre in the annals of Russian history. They were allowed to live with or near their husbands, and several had children, two of whom—a lady and a gentleman—I have met in Europe. The Baron's book nowhere stoops to invective or misrepresentation; on the contrary, he acknowledges "there was reason enough for our having been treated thus"; but at the same time he tells a sad story, which is all the more touching because told so calmly, of what he and his comrades suffered. He was at length allowed to return to his home in Esthonia, in 1839, after 14 years' imprisonment and exile. About 500 non-commissioned officers and soldiers, I am told, were sent to Omsk and different places, where they were by far less well treated than their superior officers under whom they had rebelled.*

I have thus spoken of the political or State prison at Petrovski, which, as far as I know, is the only building there has ever been in Siberia that could with propriety be called a State prison for political offenders. It was burnt down many years ago, and

* I have been favoured with a few particulars from an unpublished manuscript, written by a Decembrist prisoner for the use of his wife and children. He describes his cell at the fortress in Petersburg as small, dirty, and dark; and speaks of a poor and scanty diet, adding, "C'était l'Empereur, qui, sur le rapport du comité d'enquête prescrivait, le régime diétique ainsi que la dure aggravation d'une détention penible." He had to leave Petersburg, and many of his comrades with him, in the middle of the night, in chains (though a noble), and was not allowed to bid his mother good-bye, though she was in the next room to him at the post-station. They left in a *telega*, travelling *viâ* Jaroslav, Kostroma, Viatka, Ekaterineburg, Omsk, etc., and reached Irkutsk in 24 days. At Chita they were kindly treated by the governor of the prison and attendants, and later on, when allowed to colonize at Irkutsk and Tobolsk, suffered no hardships, excepting petty restrictions and vexations.

has not been rebuilt. Of the prison at Chita, and the accommodation for political prisoners at Kara, mention will be made hereafter. Meanwhile it should be borne in mind we have been speaking of events which happened about half a century ago.

We now pass from the condition of political prisoners as they *were* to treat of political prisoners as they *are*. I shall speak of those with whom I was brought in contact and with whom I conversed, and will put the worst case first. It is that of a Pole, who was concerned in the insurrection of 1863, at which time he was a student for the Roman priesthood, and, under cover of his clerical garb, had busied himself in procuring arms and provisions for the Polish rebels. On the suppression of the insurrection he fled from the country, but was foolish enough to return, six years afterwards, by permission, he said, of the Emperor; and within three days was taken, and, without trial, sent to a prison at Oriel for a year. After this he was sent to Irkutsk, and there learned that he was condemned for eight years to the mines, at which he arrived in 1871, having been a year on the route from Tiumen. He had 20 Polish companion exiles, some of whom were in irons, though his clerical character saved him from this degradation. The Polish party travelled by themselves as far as Tobolsk, beyond which they were sometimes compelled to walk and lodge with criminal prisoners, who robbed my informant of 300 roubles, which his mother had sewn at the back of his coat collar. He complained that some of the prison officers were great despots; in illustration of which he stated how, whilst they were at Nijni Udinsk, some of the prisoners having escaped at

night, the governor of the jail procured rods from the neighbouring woods and birched the rest of them, I suppose on the ground of aiding and abetting the escape of the others. The 21 Poles, however, were not in the ward from which the escape was made, and this they urged, but apparently to no purpose, for the governor seemed to have been enraged beyond bounds, and in some cases to have used, not only rods, but the plète and clubs. My informant declared that of the 300 Russians and 21 Poles thus treated, 17 subsequently died, though he could not give me any satisfactory evidence as to how, after leaving the place, he got this information; but the affair must have been serious (though abnormal), for, on arriving at Irkutsk they presented a petition to the governor, an inquiry was instituted (especially as regards the Poles), and the violent prison official was telegraphed for, and himself incarcerated, though how punished my informant did not know. He also complained that one of his companions was badly treated on the road, being lame, and yet made to hurry along

When, however, the Polish cleric arrived at the mines, he did not appear to have once worked in them, as the chief made him his cook, exchanged his prison allowance for five roubles a month, and fed and lodged him thus for six years, after which the remaining two years were remitted on the score of good conduct. He was afterwards located in a small village in the Za-Baikal, but had obtained permission to live elsewhere, and when I met him he was respectably dressed, and apparently earning a good livelihood. Thus my informant's *gravamina*, as regarded himself, were not so heavy as it might have been feared. He said, indeed,

that four or five letters reached him at the mines, informing him that money was enclosed, which he never received.

He had more to say of the way in which some of his fellow-prisoners were treated, to which I shall allude when speaking hereafter of the mines.*

I did, it is true, meet another Pole who complained, though I do not know whether he was a political or a criminal offender, but I have already referred to him and the information he gave me respecting the prison at Irkutsk. There was a third Pole, also a student, banished after the insurrection of 1863, whom we met in the streets of Atchinsk, who looked very gloomy, and spoke in a very dispirited and dissatisfied manner; but he was free, having his wife and children with him, and he named no one particular cause of complaint. Still, I have mentioned these cases fully, though they seem somewhat opposed to the opinion I have stated, that there exists a great deal of misapprehension respecting the number, misery, and degradation of Russian political prisoners.

The severest case of punishment of a political prisoner I met with was that of, I think, a Nihilist, at Kara, who had daily to go to work in the gold-mines; but, on returning, he had a room to himself, some of his own furniture, fittings, and books, one of which was on

* Perhaps I ought to add that this information was given me in French, which the Pole had not conversed in for a long time, and did not speak readily. It was given, too, with a good deal of bitter feeling, whilst I made notes of what was told me. As he looked on at my writing, and knew pretty well who I was, and what I was travelling for, I felt he might be exaggerating, and I therefore asked him pointedly whether all he had told me was true. He replied in the affirmative, and I therefore hand on the account to my readers, though, as will be seen later on, it was a much severer testimony than I received from political prisoners in general.

political economy. His wife lived in the neighbourhood, and could see him lawfully, and bring him food at frequent intervals; and it was not difficult for her to see him unlawfully, for just in front of his window passed the public road, where she could stand and talk to him with ease.

I met in Siberia one political prisoner whose case was more surprising, perhaps, than any I have mentioned. It was that of a man who had been concerned in one of the attempts upon the life of the late Emperor. He was sentenced to the mines, and no doubt popular imagination pictured him chained, and tormented to within an inch of his life; whereas I found him confined indeed, but only to the neighbourhood, and dressed, if I remember rightly, in a tweed suit, looking highly presentable, and engaged in a way that I purposely avoid naming, but which did not necessitate the soiling of his fingers. Again, I had two opportunities of speaking to upper-class prisoners in French, which the authorities accompanying me did not understand; therefore these men had no reason to fear speaking out plainly. One was a political prisoner; concerning the other I am not sure; but I asked them both whether they had any cause of complaint in the prison regimen. The first said the only thing he thought unjust was that he was not allowed to smoke, which one of my exile informants deems incredible, since at Nertchinsk, when, for insubordination, they were deprived of meat, milk, and tea, for weeks, they were still allowed to smoke, as a supposed preventive against scurvy. The man, moreover, in the neighbouring cell —a fat man—a defaulting post-master, a drunkard and a gambler, who would have made an admirable Falstaff,

was smoking, and I should not wonder if by this time the grievance is mended. The second man, a doctor, said that he had been taken about from place to place, and did not know his destination, though he thought it would be Irkutsk, but that he had nothing to complain of.

Supposing, then, that these instances throw any light upon the misery and alleged degradation of political prisoners, I have yet to offer some remarks upon their supposed numbers—that is, the average number banished annually at the time of my visit—for I do not profess here to deal with those sent into exile after the Polish insurrection of 1863, with their families and descendants, nor of Nihilists deported since the assassination of the late Emperor. Mr. Whyte, in his "Land Journey from Asia to Europe," says: "It is calculated that in Eastern Siberia alone there are at least from 30,000 to 40,000 *Polish political* exiles, but they are kept in different portions for fear of disturbances, a great many having to work in the mines." Now let us suppose for the moment that these figures are something like the truth, then let us add to this calculation for Eastern Siberia, whither are banished the gravest offenders, at least twice as many for Western Siberia, whither are sent those losing particular rights only; and this will give, say, 120,000 Polish political exiles in the whole country. Let us further suppose that they represent the surviving total of 30 years' deportations, not including, of course, their families and descendants. Then this gives a yearly influx to Siberia of 4,000 Polish *political* exiles! Now from statistics given me in Warsaw last autumn, taken from the report sent to the Emperor, it appeared that the

total number of Polish *criminal* prisoners sent to Siberia in the year I passed through (1879) was 898; and last year, up to September, the number, as I had it straight from the prison books, was 270. Supposing, then, the politicals to number one-tenth of the criminals (which I judge far too great a proportion), it would give less than one-fortieth of the numbers quoted by Mr. Whyte respecting Polish political exiles.

I base my opinion, however, mainly upon other calculations, such as these: the prisoners must sometimes be lodged, permanently or temporarily, as they go to their destinations. But it has been already stated that there is now no building in Siberia answering to a State prison, and further that political prisoners, when confined, are kept not only apart from criminals, but as far as possible from one another. I fail to see, then, where all these multitudes are to be properly lodged; as at Tiumen, for instance, whilst they wait for the arrival of the steamer, or at other prisons where they may have to stop, but in none of which we found more than a very few separate chambers—always less, I think, than 20. Again, another difficulty is presented by the possibilities of separate conveyance for so large a number. It is not very long since that 78 political exiles passed through Tiumen, a town where, in summer, from 500 to 700 criminals pass through weekly; but these 78 politicals excited such a commotion that there was a general "turn out" to look at them; and the manager of the steamboat was at his wits' end to know how properly to convey them; for political prisoners are not now sent, I am informed, in the common prisoners' barges. To give each man a cabin was impossible; to put two in a cabin was unlawful; and

so they compromised the matter by putting husbands and wives together. But, if a batch of 78 made all this commotion, what would the annual passing through of 4,000 *politicals* do?

Again, Kara, I was told, was a special place for political offenders, and I saw and heard of more there than in any other prison. They had, at the time of my visit, 2,458 prisoners of all sorts, all of whose crimes were given me duly tabulated, with the exception of 73, which came under the heading "*various.*" Now, supposing all these 73 were political offenders (and I have not the least reason for thinking they were, but) even then the proportion of politicals would be only one-thirtieth of the criminals.

Once more: a recent correspondent of the *Gaulois* for 30th September, 1881, describing the last occasion on which he saw the exiled Tchernichewsky at Kadaya, near Nertchinsk, just after the news had been received of the assassination of President Lincoln, says, "At this time the number of (Russian?) political prisoners was not great; they might easily be counted. . . . I believe there were not 20 of them; if mistaken, I may certainly affirm there were not 50." This scrap of information has come to hand very opportunely, for I have reason to believe that it may be relied on, and Nertchinsk was the only other district for political prisoners concerning which, until a few days ago, I did not feel satisfactorily informed.

Lastly, the summer of 1879 was supposed to be a very heavy one for the transport of Nihilists and revolutionary offenders. It was just after one of the attempts on the late Emperor's life, and Petersburg was put under a military governor. The *Daily Telegraph*,

on the 2nd June, informed its readers, as I have said before, that "a large number of convicts were about to be despatched to Saghalien from Odessa, the service which provides for the ordinary transportation of criminals to Siberia being already overtaxed." We were therefore traversing Siberia at a time and under circumstances particularly favourable for knowing the real condition of things; and as we went along the only route by which these exiles could possibly travel to Eastern Siberia, it might have been expected that we should see or hear something of them. The numbers, however, with whom we were brought in contact on the outward journey could easily have been counted on our fingers; and if it should seem that, having started early in the season, we had travelled in advance of them, then my interpreter, who returned from the Amur, had the opportunity of meeting them, or hearing of them, as he went back. As a matter of fact, however, he met, between the Amur and the Urals, three special convoys only. The first contained one prisoner, who said he was going to Kara; the next consisted of seven vehicles, each of which contained a soldier on the box, and a gendarme at the side of the prisoner; and the third convoy consisted of 21 vehicles, each filled in like manner. Thus, excepting the 78, or the possible 73 just mentioned, the total number we met or *definitely* heard of all across Asia, both in going and returning, did not amount, I should think, to 50.

I write, then, under correction, and shall be glad to be set right if I am wrong; but I must now leave it to my readers to judge whether or not the considerations brought forward are such as to justify my opinion

respecting the number, degradation, and misery of political prisoners. I have few statistics on the point, from the fact that political offenders are treated as belonging to a special department, and are unconnected with the ordinary sources from which I obtained my figures. This I did not know until I had left European Russia, and hence my inability to give other than general reasons. My impression, therefore, is that the greater number of the political exiles either go to prison only for a short time, or not at all, and are then placed in villages and towns. They are then expected to get their living. (I have recently heard that, at the time of the burning of Krasnoiarsk, there were 40 living free in the town.)

This they do in a variety of ways. Some are teachers of languages, some are tradesmen, and some are photographers. We met, for instance, two exile photographers at Tobolsk. As strangers we had, of course, no means of identifying exiles from other people, though we were sometimes brought into contact with them, from the fact that many of the Poles speak French. Moreover, as the question of prison and exiles was, so to say, my speciality, I was always glad, when opportunity presented itself, to converse with them directly rather than get my information translated. A stranger, however, who believes every exile who calls himself a "political," may easily be misled. To be a "political" prisoner in Siberia is to be more or less of a gentleman, and many try thus to pass themselves off. Mr. Ashton Dilke, M.P., who travelled some years ago in Southern Siberia, and spoke Russian, has told me that, on asking gangs of convicts if they had any politicals or "gentlemen"

prisoners among them, they usually said "No"; and that, in the case of one man who imposed upon him and tried to palm himself off as a "political," the Governor showed Mr. Dilke the man's papers, which described him as a criminal, a thief, etc.

In Irkutsk I met an exile who told me he was a captain, and had been banished for a duel, which no doubt he thought a respectable crime; but, upon my repeating it to others who knew the man, they said he was a forger. Looking, however, at the political prisoners I saw in the separate rooms of the various prisons, at those with whom I came into personal contact, those pointed out to me, and those of whom mention was made as living in the towns through which we passed, I think that, if I had been commissioned to give a sovereign to each, 50 coins would have sufficed for the purpose. It is not pretended, of course, that a lover of statistics can or ought to attempt to build anything definite upon this statement; but, until proof is brought to the contrary, it may perhaps tend to modify what I deem the exaggerated and extravagant notions as to the number of Siberian *political* prisoners, and to show at least that they are not as "plentiful as blackberries."*

* Since this chapter has been in type my impressions have been strikingly confirmed by an official, high in the prison administration, who in reply to my written inquiries as to the number of political prisoners sent to Siberia during the last few years, replies that the deportation of political offenders came under the *prison* administration only in 1880, but that for the present year, 1881, the total number of political offenders of *all* kinds, sent to Siberia, is 7½! which number, moreover, includes nearly 40 condemned to the mines during the years 1875-6-9-80, but who have been detained meanwhile in the central prisons of the Kharkof district. The year, therefore (up to November), of the Emperor's assassination has sent about 30 persons into exile.

CHAPTER XXXII.

FROM CHITA TO NERTCHINSK.

The Trans-Baikal province.—Books deposited with Governor.—Specimen letter of consignment.—Prisons and hospitals.—Governor's distribution of books.—Satisfactory results.—Journey from Chita.—Buriat *Obos*.—Russian emigrants.—Salutations.—Approach to Nertchinsk.—Its mineral treasures.

THE Trans-Baikal province is bounded on the south and east by Chinese territory, on the west by Lake Baikal, and on the north by the province of Yakutsk. It measures 830 miles from east to west, and 460 miles from north to south; its entire area covering about 240,000 square miles. It is thus not quite so large as Austria.*

Before leaving the capital, Chita, we deposited with the Governor enough books for his prisons and hospitals; and since this region was so important, from my point of view, in regard to its penal establishments, and our efforts, moreover, here met with such good

* The surface is mountainous; one range, the Yablonoi, running from north to south, is the watershed of numerous rivers. The streams from the western slopes drain into Lake Baikal; the largest one towards the north, the Vitim, finds its way to the Lena, whilst the remainder run into the Argun, which flows at the south of the province and into the Ingoda and Onon, which form the Shilka. The population of the government is 430,000, of which the town inhabitants number only 4 per cent. In 1867 the population was 380,000, of whom there were 400 hereditary nobles, 1,000 personally noble, 1,700 ecclesiastical persons, 11,000 townspeople, 109,000 rural inhabitants, 4,000 military, 9 foreigners, and 164,000

success, I shall give the substance of a letter which I wrote to the Governor (in French), and which is a fair specimen of similar letters written to the other Governors throughout Siberia :—

"To His Excellency the Governor of ———.

"Sir,—

"I have the honour to beg your acceptance of — boxes of books containing — large New Testaments, — small New Testaments, — Gospels, — Psalms, — New Testaments in French, German, Polish, Tatar, and Buriat, — copies of the *Rooski Rabotchi*, — wall-pictures, and — tracts. Will your Excellency do me the favour to accept them for the prisons, hospitals, poor-houses, and schools of the government of ———? I shall be thankful if the copies of the *Rooski Rabotchi* (Russian Workman) and the tracts may be given to the children in schools to be taken to their homes, and thus distributed as much as possible among the people. As for the books, I wish that they should remain in the rooms (not in the libraries) of the prisons, hospitals, etc. If the chief of each room may be made responsible for the books as for the other property of the prisons, etc., I shall be glad; but in any case I wish that the books may be had without asking for them from the library. I hope

natives. The present population is quoted as 10,000 less than that given by the Almanack for 1875, which diminution probably arises from emigration to the region of the Amur, and from the Government sending fewer exiles here than formerly. There were throughout the government, in the year 1875, about 3,000 marriages, 16,000 births, and 12,000 deaths. The province is divided into seven uyezds; and among its principal towns, besides the capital, are Verchne Udinsk, Selenginsk, and Troitzkosavsk, on or near the Selenga, Barguzin, near the Baikal, and Nertchinsk, to all of which we went with the exception of Barguzin. Barguzin is the chief town of the district, but is not otherwise remarkable.

with your assistance in the government of ——— to place a New Testament or a copy of the Gospels in *every* room of *every* prison and hospital throughout Siberia; and I shall be very thankful if I may hear from you, at my English address, how the distribution has been made, because I shall probably send an account of my tour to the authorities at St. Petersburg.

"I have the honour to be, etc., etc., etc."

The Governor of the Trans-Baikal province, M. Pedachenko, spoke of his four large hospitals and 10 smaller, or occasional hospitals. He told us also that he had in his government four permanent prisons, besides those at the mines, namely, at Nertchinsk, Troitzkosavsk, Verchne Udinsk, and Chita, the last three of which we saw. The number of prisoners was given us as about 150 each at Chita and Nertchinsk.* M. Pedachenko was good enough to promise that a small shelf should be put up in each room (under the *ikon* I suggested), on which the books might rest when not in use; and this promise he carried out.†

I have dwelt particularly on what we were able to distribute in the Za-Baikal for two reasons; first, because the letter of the Governor, together with our own

* We had deposited with the Ispravniks of Verchne Udinsk and Troitzkosavsk Russian New Testaments, Tatar Gospels, and Buriat Scriptures for the prisons and for the Troitzkosavsk poor-house, which last, as far as I remember, was the only one of this kind we heard of during our tour, unless it were at Perm, and, perhaps, Barnaul. In addition to these the Governor at Chita accepted 25 wall-pictures of the Prodigal Son, 12 Tatar Gospels, 14 large Russian New Testaments, 50 small ones, 60 Russian Gospels, 20 Psalms, 3 New Testaments in Polish, French, and German, 38 Buriat portions, 75 copies of the *Russian Workman*, and 200 tracts.

† At a further stage of my journey I had the opportunity of sending additional books to M. Pedachenko, and on the following February 4th I received in England the following letter:—

observations, give an insight into the number of prisons existing in this province, which of all others was that reserved for the worst of exiles; and, secondly, because

TCHITA, *le* 12 *Decembre*, 1879.

MONSIEUR,—Je me fais un plaisir de vous faire savoir, que j'ai reçu votre lettre du 9 Juillet de même que les livres et les brochures religieuses, qui ont été tous distribués.

A *Kara:* Dans les prisons, les hôpitaux, et l'établissement de charité, d' Alexandre :—

13 Papiers pour les murailles, 43 Petits Evangiles,
7 Grands Evangiles, 8 Psaumes,
3 Nouveaux Testaments Polonais, Français, Allemands,
29 Brochures *Rouski Rabotchi*, 60 Différentes brochures,
22 Anciens Testaments Mongols.

A *Algatche:* Dans les prisons et les hôpitaux :—

3 Papiers pours les murailles, 2 Psaumes,
2 Grands Evangiles, 9 *Rouski Rabotchi*,
13 Petits Evangiles, 15 Brochures religieuses.

A *Nertchinsk:* Dans l' hôpital et la prison :—

2 Papiers pours les murailles, 2 Psaumes,
1 Grand Evangile, 9 *Rouski Rabotchi*,
13 Petits Evangiles, 9 Brochures religieuses,
4 Anciens Testaments Mongols.

A *Tchita:* Dans la prison :—

2 Papiers pour les murailles, 13 Psaumes,
1 Grand Evangile, 10 *Rouski Rabotchi*,
14 Petits Evangiles, 10 Brochures religieuses,
4 Anciens Testaments Mongols.

Pour les *Forçats de Nertchinsk:*—

3 Papiers pour les murailles,
2 Grands Evangiles, 15 *Rouski Rabotchi*,
13 Petits Evangiles, 9 Brochures religieuses,
2 Psaumes, 4 Anciens Testaments Mongols.

A l' hôpital de *Strétinsk:*—

2 Papiers pour les murailles, 1 Ancien Testament Tatare.
3 Brochures religieuses,

D' après votre désir, Monsieur, les livres distribués dans les prisons et les hôpitaux sont placés sur des tablettes, afin qu'on puisse s'en servir en tout temps. Les serviteurs sont chargés de les tenir en ordre.

Recevez, Monsieur, mes plus sincères remerciements pour votre précieuse offrande,

J'ai l' honneur d' être,
Votre très humble serviteur,
(Signed) JEAN PEDACHENKO.

of the satisfaction it afforded me, when looking back upon the work as a whole, to feel that the Scriptures and other reading material had been deposited in these out-of-the-way places, especially those of Kara, Nertchinsk, and Algatche. Had nothing more been effected than this, and what I subsequently learned was done at Tiumen, these two results would have well repaid me for the journey.

Late on the afternoon of Monday, July 21st, the day of our arrival, we left Chita and proceeded towards Nertchinsk, a distance of 180 miles, where we intended to make our next stoppage. The road ran within sight of the river, and as the route was hilly we had pretty views. Some of the hills I measured as 400 feet above the level of the river, and my barometer, at the highest point, stood at 2,350 feet above the sea. The hills were rounded and well wooded, whilst the lower land resembled English downs. We saw some of the flora of which Baron Rosen speaks so admiringly, and among them a flower we had not noticed before, like blue larkspur. On both sides of the Yablonoi range are grown wheat, rye, oats, hemp, flax, potatoes, cabbage, turnips, lettuce, radishes, onions, spinach, and horseradish. In the valleys was abundance of grass, but few cattle to graze it. We saw also buckwheat and barley growing, but neither the fields under cultivation, nor the Russian inhabitants, were numerous, nor did we come in contact, after passing Chita, with many Buriats, though we inspected one of their sacred spots on a hill not far from that town. It consisted of a few rough stones piled together, with some dried branches of trees, on which were hung small flags and strips of calico, having inscribed on them verses in the

Thibetan or Mongolian language. We had passed several of these south of the Baikal, and the Russian drivers had usually told us that they were Buriats' graves. Sometimes there were sweetmeats lying about, and copper money, which the Russian yemstchiks did not scruple to collect and pocket. Sometimes, too, we found horse-shoes strewn around, and almost invariably a quantity of tufts of horse-hair tied to the bushes, the appearance of the whole reminding one of the so-called holy wells to which the Romanists of Ireland make pilgrimage. The yemstchiks said that the flags painted with demons were to frighten devils away, and that the coins and sweets were given as offerings to their God; but that if a Buriat had nothing to give, he cut off a piece of his horse's tail and tied it to the bush.

I noticed that these spots were usually on elevated ground, like the "high places" denounced by the Hebrew prophets, and after reading the travels of Huc, Erman, and Hill, I make no doubt that they were not Buriats' graves at all, but the *obos* which are erected throughout Tartary, and at which the people worship the spirits of the mountains, a superstition of the Shamanist Buriats, which extends, at least partially, to other aboriginal tribes in Siberia.*

As we passed along the road, we sometimes overtook companies of emigrants from Russia, or from other parts of Siberia, who were wandering further east. We

* The natives believe that their shamans have more power than other people with the spirits infesting the mountains. Accordingly, sacrifices are offered to these spirits, and are carried off secretly by the shamans. Horse-hair seems to hold a conspicuous place in connection with their superstitions. Mr. Erman speaks of the practice of the Yakutes in tying knots of it on trees; and Mr. Hill states that the Yakutes informed him that the rites of their ancient worship consisted for the most part in sacrifices to invisible spirits, and that portions of the horses' tails were

heard, at Barnaul, that peasants are encouraged thus to migrate. Also, we sometimes drove by labourers in the fields, which gave an opportunity to the passing yemstchik to salute them in Russian fashion: "*Bogh pomotch*," "May God be your help," to which the reply is, "*Spasibo*," "Thank you," or "Save you!" a very similar custom to that I have observed in the west of Ireland, where the car-driver accosts his brother Pat, digging potatoes, with a "Bal o' ye airth," "God bless the work," or, more probably, it will be, "God and Mary bless the work," to which Pat replies, "And you too." They both remind one of the salutation of the Hebrew, Boaz, "The Lord be with you!" to which his reapers replied, "The Lord bless thee!"

I confess to having been sometimes tired of travelling so many days without being able to read; I managed to get through only two or three small works, for, notwithstanding my air-cushions and a paper-knife placed below the line I was looking at, the shaking of the tarantass rendered study almost impossible. After leaving Chita on Monday, we travelled all day and all night on Tuesday, and on Wednesday found ourselves approaching Nertchinsk, a town surrounded by a hilly district noted for its minerals. The mining region extends over a large area, and for a long period of years provided employment to vast numbers of convicts, as also for many Polish exiles after the insurrection of

attached to trees to notify to the spirits who might chance to pass by that such rites had been performed, and that thereabouts they would find the offered sacrifice. From the oldest times the Buriats have been accustomed about midsummer, when the cattle are in good condition, to celebrate festivals for the good spirits, the rites being followed by wrestling matches, and other popular amusements; and the crafty Buddhist lamas have recognised and sanctioned these ancient usages, in order that the Buriats may regard the new religion only as an extension or completion of the old.

1863. The mines were worked under the supervision and direction of an able chief, with a numerous staff of officers; and many distinguished mineralogists here commenced their career. Up to the year 1847, silver and lead formed the principal products.* Tin and zinc also, and the aqua marina are found in the neighbourhood of Nertchinsk, and 130 miles to the south is the mountain of Odon Tchelon, celebrated for its gems, including the topaz and emerald, which latter Mr. Erman speaks of as green, yellow, and blue. To these minerals must be added gold, which is found in large quantities in the bed of the Nertcha and its tributaries, besides iron, antimony, and arsenic. In Petersburg, I heard the gold-mines of Nertchinsk spoken of as "large and well worked"; but other reports went to show that the Government mines brought in little to the Crown; and we heard that most of them about Nertchinsk have been sold, so that mining affairs at the time of our visit were in a transition state.

* Of the former 4 tons, and of the latter 570 tons, were produced annually. The discovery of lead was of great importance, as it had been previously necessary to bring it all the way from England to Barnaul for the smelting of the ores of the Altai, in which region little or no lead is found. The lead of Nertchinsk, however, did not find its way so far as the Russian arsenals, because, by reason of carriage, it would have cost six times the price of English lead delivered either in Petersburg or Moscow.

CHAPTER XXXIII.

THE SILVER AND (SO-CALLED) QUICKSILVER MINES OF NERTCHINSK.

The supposed quicksilver-mines.—Inadequate evidence of their existence.—Unsupported statements of writers.—Not known to Anglo-Siberians.—Silver-mines perhaps intended.—Deleterious fumes a myth.—Questionable allegations regarding silver-mines.—Misstatements exposed.—Testimonies of Collins and other eye-witnesses.—Accounts of ex-prisoners and Lutheran pastor.—Nertchinsk Zavod and work in the mines.—Condition of affairs in 1866.—Present state of things.—The Nemesis of exaggeration.

WHEN crossing the Pacific I heard it remarked by an American clergyman that Mrs. Beecher Stowe, in her exaggerated account, as he thought it, of American slavery, showed great shrewdness in assigning to her story a locality that was very remote and unknown to most of her readers. A similar observation might be made in regard to not a few of the writers on Siberian exiles and their labours in the mines. How the idea first came into my mind I know not, but when in 1874 an Englishman, born in Russia, told me in Petersburg that the worst of Russian criminals were put down in quicksilver-mines in Siberia, where they were speedily killed by unhealthy fumes, it seemed to me like an item of news I had heard before. Since my return from Siberia the question has been frequently put to me, Did you go to the quicksilver-mines, where the exiles are so cruelly treated? Baron

Rosen also wrote, "Eight persons of the above-mentioned eleven criminal categories were dispatched at once to the quicksilver-mines of Nertchinsk; . . . . they worked for long years underground in the mines, like the other forced labourers." Again, the *Newcastle Daily Chronicle* for 21st November, 1878, quoting, apparently, Captain Wiggins, says: "Desperate criminals only are sent to labour in the quicksilver-mines, and for these there is a specially severe discipline provided, and 'horrors,' without doubt, exist." And I have somewhere read, if I mistake not, that in the vicinity of Nertchinsk was a quicksilver-mine, which for a time was worked, but that the loss of life entailed upon the convict labourers was so great as to cause it to be given up.

Now it is somewhat remarkable that I have been unable to learn that there is a quicksilver-mine in Siberia at all, or to get satisfactory proof that one ever existed. This may perhaps surprise my readers, but I proceed to explain myself thus:—The "English Cyclopædia," under the article "Mercury," mentions various places where this mineral is found, but says nothing of Siberia. Yet surely, if mines exist there, affording employment for numerous labourers, we ought to hear something of their output. Again, in "Ure's Dictionary of Arts, Manufactures, and Mines," a standard book on mining (p. 120), we find a good deal concerning the mines of Siberia, of those in the Urals, the Altai, and Daouria (which last comprise those about Nertchinsk), but nothing is said of quicksilver-mines in any one of these regions.* Again, Mr. Atkinson,

* Speaking, however (p. 56), of "Mercury or Quicksilver," the author says: "Argental Mercury, or native silver amalgam, has been found at

who spent several years in Asiatic Russia, went to the district of Nertchinsk, and had friends among the mining engineers, says: "Tin and zinc ores are found, but neither have as yet been much worked, and I am not aware of the existence of quicksilver, though it is said to be found in these regions." Mr. Eden, in his valuable little compilation on Siberia, speaking of its mineralogy, says, "Quicksilver also is reported to exist in some of the north-eastern provinces"; but he gives no authority for the report, says nothing of its being worked, nor mentions the existence of it at Nertchinsk. I may further add that recently I have seen the Englishman whom I met at Kiakhta, and who since has twice passed through Nertchinsk. He asked particularly of an officer connected with the mines for one of quicksilver, and was told that, though there was said to be quicksilver in the neighbourhood, it was not worked.

To these testimonies I must add my own, that neither in the town of Nertchinsk, through which we passed, nor in the neighbourhood, nor indeed throughout Siberia, did we anywhere hear of a quicksilver-mine. The only testimony I have ever received in the opposite direction is that of a released political exile, who has told me that he once heard from some of his fellow-prisoners at Petrovsky Zavód, many miles distant, that there was a small quicksilver-mine at Nertchinsk, but so poor an affair that it was not

. . . . Kolyvan, in Siberia. But Kolyvan is thousands of miles from Nertchinsk, and on the Obi, where there are no quicksilver-mines. Further (on page 66 of "Ure's Dictionary"), the imports of quicksilver are given as coming from Spain, the United States, Chili, Australia, Hanse towns, Hanover, Austria, Italy, Mexico, and other parts, but nothing is said of any from Siberia.

worked. Subsequently my informant was deported to four places in succession round about Nertchinsk, but he neither saw nor heard anything more of the said quicksilver-mine. Accordingly, on meeting, since my return, with an English acquaintance who has spent a large part of his life in Siberia, and who knows it well, I said to him, "You have heard, have you not, that there are quicksilver-mines in Siberia?" to which he replied in the affirmative, but he did not know where they existed; and when I asked him whether, if I took upon myself to say that there was no such thing as a quicksilver-mine in Siberia, he could contradict me, he thought awhile, and then was obliged to confess he could not. The Englishman from Kiakhta said the same; and my most recent informant, a released political exile, who spent some years in the mines about Nertchinsk, assures me to the same effect. In the face, therefore, of the prevalent notion to the contrary, and notwithstanding what little evidence I have been able to collect in their favour, I must express my grave doubts as to whether mercury has ever been worked, in any sense worthy of the term, by Russian convicts; and I shall further venture on the assertion that there does not exist a quicksilver-mine in Siberia at all.

But perhaps *silver*-mines were intended instead of "quicksilver," in which case it should be observed that, if the quicksilver-mines have no existence, then the slow process of killing convicts by their fumes is a delusion. That working in quicksilver-mines is destructive to health is perfectly well known; but working in silver-mines is quite another matter. When at Barnaul, we heard nothing of any difficulty arising under this head in the working of the Altai silver-mines.

When in the Rocky Mountains, I heard from a Russian lady, who had been down the silver-mine near Virginia city, that the heat was very great, but she said nothing as to the air being otherwise objectionable. Mr. Collins, also, describing his descent of one of the Nertchinsk mines, the silver-mine of Zarentunskie, says: "We now passed along another drift, and found nothing unpleasant in this underground passage." Moreover, the two released exiles, to whose information I have already alluded, have told me that they never perceived any objectionable fumes,—that, in fact, there were none.

But, apart from the supposed deadly fumes, there has been a great deal said and written respecting the Siberian mines in general, and those of Nertchinsk in particular, which my experience and reading lead me to question, not to say to contradict. The number of Englishmen who have visited the great mine of Nertchinsk is represented, I believe, solely by Captain Cochrane,* and great changes have taken place since his day. In 1848, the Emperor Nicolas decided, with a view to carrying out his plans in the regions of the Amur, that the whole of the people in the Trans-Baikal should become Cossacks. Hitherto a large body of the population had been employed in mining operations, and Mr. Atkinson speaks of this sudden change as having closed the silver-mines of Nertchinsk; but I

* Perhaps this is not to be wondered at, if the inaccessibility of the place be considered. It is 5,250 miles east of Petersburg, 700 miles nearly due north of Peking, about 480 north of the Chinese wall, and 1,000 miles west of the Pacific. Captain Cochrane went there half a century ago, at which time there were 1,600 convicts in the mines, and he speaks sternly of their treatment, their miserable huts, and of their haggard, worn-down, wretched, half-starved appearance. But he stayed at the place only a day, and his book does not say that he entered the mines at all.

suppose he means relatively, for the mines have been worked for many years since by convicts, and, if we are to believe all that is written on the subject, they are full of horrors to the present day. But I shall venture to examine a few of these writings which say so, and compare them with the statements of travellers and eye-witnesses. I shall offer, too, my own experience, and then leave the reader to judge respecting the truth of the whole.

The author of "The Russians of To-day" says (p. 216): "The miners are supposed to be the worst offenders, and their punishment is tantamount to death by slow torture; for it is certain to kill them in ten years, and ruins their health long before that time. If the convict have money or influential friends, he had better use the time between his sentence and transportation in *buying a warrant* which consigns him to the lighter kinds of labour above ground, otherwise he will inevitably be sent under earth, and *never again see the sky* until he is hauled up to die in an infirmary." This was published in 1878, and I have italicised the doubtful or erroneous words.

Again, the *Contemporary Review* for September 1879, in an article on "Conspiracies in Russia," says (p. 143): "Of the treatment of political exiles in Siberia, as it has been carried on *for a long time past*, I have before me a thrilling description from the pen of Mr. Robert Lemke, a German writer, who has visited the various penal establishments of Russia with an official legitimation. He had been to Tobolsk, after which he had to make a *long, dreary journey* in a wretched car, until a *high mountain* rose before him. In its torn and craggy flank the mountain showed a colossal opening

similar to the mouth of a burnt-out crater. Fetid vapours, which almost took away his breath, ascended from it."

Mr. Lemke then walks down with a guide, and—

"Entering a room of considerable extent, but which was scarcely a man's height, and which was dimly lit by an oil lamp, the visitor asked, 'Where are we?' 'In the sleeping-room of the condemned! Formerly it was a gallery of the mine; now it serves as a shelter.' The visitor shuddered. This subterranean sepulchre, lit by neither sun nor moon, was called a sleeping-room. Alcove-like cells were hewn into the rock; here, on a couch of damp, half-rotten straw, covered with a sackcloth, the unfortunate sufferers were to repose from the day's work. Over each cell a *cramp iron* was fixed, wherewith to lock up the prisoners like ferocious dogs. No door, no window anywhere.

"Conducted through another passage, where a few lanterns were placed, and whose end was also barred by an iron gate, Mr. Lemke came to a large vault, partly lit. *This was the mine.* A deafening noise of pickaxes and hammers. Then he saw some *hundreds* of wretched figures, with shaggy beards, sickly faces, reddened eyelids, *clad in tatters*,—some of them *barefoot*, others in sandals, fettered with heavy foot-chains. No song, no whistling; now and then they *shyly* looked at the visitor and his companion."

Mr. Lemke leaves the mine and speaks to one of the officers about the convicts' rest. "Rest!" said the officer, "convicts must always labour. There is no rest for them; they are condemned to perpetual forced labour, and he who once enters the mine *never leaves it!*" And so on.*

* On my reading this description to one who knows from painful experience what the mines were like, he laughed outright at its absurdity.

These remarkable extracts may be appropriately followed by reference to an article in the *Echo* for May 5th, 1881. It numbered 100 lines, and on reading it I had the curiosity to mark every line that appeared to me to contain a misstatement or a blunder. No less than 20 were marked; that is to say, one line in every five. The article is headed, "On the Road to Siberia." The author begins by starting his pedestrian exiles on the *march* at the Sparrow Hills at Moscow, and in crossing Russia he gives them all sorts of difficulties by road to overcome; whereas I have shown, in an earlier chapter, that for years past the prisoners are taken by steam across Russia, and that the exile reaches the first prison in Siberia without walking at all. Then the author places his pedestrian exiles under the charge of *mounted, long-speared* guards, feeds them with bread and *oil* (which latter I never yet heard of in a Russian prison), and, what is more amusing, feeds the Cossack horses with the *meal* (whatever that may be) eaten by their masters. Then having got his exiles over the Ural, he says :—

"Beyond the Ural, however, with its simple industries and markets, the region becomes more barbarous; it is less relieved by the softening aspects of social life; the exile population, clad in sheepskins, thickens at every step; the cold grows so intense" [this, by-the-bye, in the "open season," *i.e.* the summer], "that occasionally the Cossacks on guard are frozen, lance in hand; and the silver-mines are now *not far distant*, —*immense caverns*, illuminated by torches of pine, peopled by men with leaden-hued faces, caused by exhalations from the copper ore, in which the silver is found imbedded; inhabited too by *women* and *chil-*

dren, who share in the unhealthful labour, and contribute their quota to the terrible totals of mortality, *living*, *dying*, and being buried often *far below the light of day*."

Now, when I read this, my first thought was to take Mr. *Punch's* advice, and "write to the *Times*," but I repressed my feelings till I could gather these extracts, italicise the questionable words, and then calmly place before the reader such remarks upon the matter as I have to offer. Let me, then, observe, in the first place, that neither of these three authors professes to write from personal experience. Had the writer in the *Echo* been to Siberia in the "open season," he would not have frozen his mounted guard, lance in hand, but would have made him trudge on foot at the side of his convoy, sweating beneath the load of rifle and bayonet; and neither of the three writers, had they been to Siberia, would have been so vague with regard to its geography. The author of the "Russians of To-day" (p. 216) informs his readers that "Siberia is a territory covering about *six* times the area of England and Scotland!" Had he written *sixty* times he would have been not far from the mark; but—perhaps six was a printer's error!

Again, the *Contemporary* writer says that Mr. Lemke "had been to Tobolsk, after which he had to make a long dreary journey until a high mountain was before him;" which sentence, though not expressly saying so, leaves one to infer that the mountain was at least in the vicinity, whereas the country about Tobolsk is flat, and there is no mountain answering to the writer's description, where convicts are employed, within 2,000 miles. So, again, the writer for the *Echo*, almost

immediately after getting his exiles over the Urals, informs us that "the silver-mines are now not far distant," which is hardly an exact way of speaking of 3,000 miles.

But I shall now proceed to give such personal information as I am able about Nertchinsk, prefacing what I have to say with words from Mr. Collins's chapters describing his visit to the mines of the district. This, I think, should go far to satisfy an ordinary reader as to the quality of the miners' food, clothing, and sleeping accommodation. "This [gold] mine was a convict establishment, like all the mines east of Lake Baikal. The men were well clad, and in visiting the hospital, prison, and quarters, I found the arrangements for their health and sleeping clean and comfortable. Cooks were preparing dinner for the prisoners. I tasted of the soup, bread, and *kacha*, or grits, made from buckwheat and milk, and found them good and well prepared. There were a number on the sick list, mostly those who had recently arrived, but they were in a warm, clean room, with clean beds and clothing, and with a separate kitchen where proper diet was prepared for them."

This was published in 1860. Before leaving Asia I had an opportunity of asking an American, who had visited the Nertchinsk mines, as to what he saw, but he told of no such barbarities as those quoted above. Again, I asked an Englishman living in Siberia about women working *in* the silver-mines, but he had never heard of such a thing, nor have I; and my second exile informant denies it; so that I trust the women and the children with "leaden-hued faces," inhabiting the mines and "sharing in the unhealthful labour,"

exist only in the imagination of the writer for the *Echo*. Had the article said that there were women and children *at* the mines, it would have been less difficult to believe, because I found them at the gold-mines—the women employed in scrubbing, washing, or hard female labour, and their children taken care of, clothed and fed in a school; but this will be alluded to hereafter. Again, I met a naval officer, who had seen the coal-mines at Dui, in Sakhalin, and who spoke of the prison abuses there in no measured terms. He had visited the mines at Nertchinsk five years before we met, and had descended into one of them; but though he said the men looked sickly, and sometimes had to "go on all fours" to get the mineral (which, I suppose, all miners occasionally have to do), yet he had no barbarities of which to speak, and did not confirm any of the notions with which I entered the country, as to the prisoners being kept underground by night and by day. He said they worked twelve hours a day, six on and six off. I questioned, too, the chief of the gold-mines at Kara concerning the silver-mines at Nertchinsk, which are not far off. He denied that the prisoners were kept underground, and *thought* they worked in three sections of eight hours each.

I have three testimonies besides, not from prison officials, travellers, or amateur philanthropists, but from men, two of whom themselves worked in the mines of Nertchinsk; whilst the third, a Lutheran pastor, told me of what he had heard direct from prisoners at the mines, where it was his business periodically to visit. He said that old convicts at Nertchinsk and Kara had told him of Rozguildieff, a director, 20 years before, who gave them only 4 lbs. of bread a day, and who

used to go about with four Cossacks behind him, armed with the knout, to thrash those who did not do the prescribed quantity of work. He afterwards became blind. I have heard from another quarter that this man used sometimes to condemn his prisoners, not to so many stripes, but so many "lbs." of the birch—to 10 or 15 lbs., for instance—which meant that the man should be flogged until a certain weight of rods had been used up. But a military officer was sent to inspect the mines, and Rozguildieff was removed; since which time the pastor said that all seemed going on well, and that he had heard no complaints of abuse. I have also heard of this Rozguildieff and his cruelty from a third person, who was at Petrovsky Zavod in 1866, with about 500 prisoners, many of them Polish insurgents. Another testimony respecting the mines is from a Pole whom I met, engaged as a clerk at one of the post-houses. He had been sent to Nertchinsk as a political prisoner, condemned to hard labour, but he said he was not compelled to work. Perhaps he had the good fortune to be taken as a servant, or employed as a clerk; this he did not explain, but he said that the officers were not cruel, and that of the prison treatment he had no complaint to make. He had, he said, 3 lbs. of bread, and ½ lb. of meat a day. He might write a letter every three months; and so well satisfied did he seem with his present lot, that he said if the Emperor were to allow his return to Poland he would certainly go; but if he were offered permission to return only to Russia, he would prefer to stay where he was. One reason for this, it has been suggested, might be that police supervision is more irksome in Russia than in Siberia.

The last testimony I would offer is perhaps the most satisfactory of all, because it came to me direct in English from one who, implicated in the Polish insurrection of 1863, was sent as a political exile to Nertchinsk, with several like offenders from the Russian and Polish aristocracy, he himself being a man who had received a university education. The accounts he gave me relate to the condition of things in 1866 and 1867. The principal centre of the mining district, he said, was called Nertchinsky Zavod, or Bolshoi Zavod, "the great works," at which, however, the *mines* were abandoned before 1865, and the prison was afterwards used for a hospital. Round about were various mines, works, hospitals, and prisons, such as Kadaya, Akatuya, Klitchka, Alexandreffsky, Algatche (the last a smelting place), and some others. At Stretinsk and Sivakoff, on the Shilka, were ship-yards, where prisoners were employed. There would seem to be labour going on still at Nertchinsk and at Algatche, since, from the Governor's letter to me, it appears that some of my books have been sent to these two places, and to the hospital at Stretinsk; but the greater part of the mines just mentioned have now passed out of Government into private hands. I am speaking, however, of things as they were in the time of my informant, who laboured at Kadaya, Akatuya, Alexandreffsky, and Nertchinsky Zavod. Kadaya was only two or three versts from the Chinese frontier,* Alexandreffsky was about six versts from the frontier, and 35 from head-quarters.

* This is the place to which the Russian poet Mikhaïloff was banished for writing his proclamation or manifesto, *Molodom pokolenion*, "To the rising generation," as was also his literary friend Tchernichewsky, who is called the intellectual chief and founder of Nihilism. Mikhaïloff died

At most of the places there were prisons built: at Alexandreffsky, of stone; at Kadaya, of wood; and at Akatuya, partly of wood and partly of stone. At Nertchinsky Zavod the prison was very old, and was empty. The commandant, General Chitoff, living there, he preferred to house the convicts at a convenient distance. At Alexandreffsky there were not less than 700 prisoners in three buildings. Of these, 30 or 40 were Russian political offenders; the remainder were Polish insurgents of 1863. At Akatuya there were 110 prisoners, 60 of whom were Polish priests, together with 22 other prisoners sent to join them for extra punishment.

Akatuya, by reason of its isolation and loneliness, was regarded as the worst place of all, there being no village around it. There was reported to have been a Tatar in this prison, before 1866, chained to the wall, but this was an exceptional case, and such things, it was said, were not done to the political prisoners, some of whom had friends who could bring influence to bear in their favour. My informant, being counted "noble," was exempted from wearing chains during the journey, but on his arrival he had irons, he said, of 7 lbs. (Russian) on the feet, and the same weight on the hands. If so, these handcuffs must have been heavier than any I have seen in Russia or Siberia. There were sometimes cases in which criminal prisoners burst into fits of ferocity, and were guilty of such insubordination as to call for special punishment. At Sivakoff, for instance, he had known men suspended for a time by the armpits, but none were chained to barrows or

and was buried at Kadaya; Tchernichewsky, who it seems is feeble and delicate in constitution, was not compelled to work, nor did he carry chains; and after spending a certain time at Kadaya, he was removed to Viluisk, in the province of Yakutsk.

tools, as has been sometimes done. In the case of my informant himself, who insulted the Governor-General Korsakoff, and also joined others in a league to refuse to work on Sundays (the cruel and unjust regulation to this effect was enforced on these exiles in 1866), he, with many more, and for a considerable time, was put first on half rations, then deprived of meat, then of milk, and then was not permitted to lounge in the yard, but had to go straight from work to his ward. The priests had joined in this resistance to Sunday labour, and there were also Protestants and a Jew among the league. Some of the priests, however, were the first to give in, and all at length followed, so that they had afterwards only four holidays in the course of the year, though this was exclusive of bath-day, which recurred once a fortnight, and was a holiday as at Kara.

I asked as to the formation of the mines, and found that some of them had shafts and galleries; one shaft in particular, by reason of its construction, being dangerous to descend. In some cases it seems that the granite was dug from the side of a hill, and the work of the prisoners consisted largely of boring holes for blasting, which were charged with powder by Cossacks or labourers, and, in the absence of the prisoners, were fired. From an engineering point of view, the mines, as far as I could understand, were worked badly enough; and this agreed with what I had heard elsewhere. The mineral was brought to the surface in baskets, but they had no steam or horse-power. There were veins of silver, but often the galleries did not follow them, and the mines seemed to subserve the purpose of providing hard labour for malefactors, rather than

that of bringing gain to the Emperor. Whilst my informant was talking to me, he had in his hand some pins, and, holding up one of them, he said, "I did not see a piece of silver as big as that all the time I was at Akatuya."

I inquired carefully respecting the hours of labour, and heard that in 1866 it was 13 hours a day, which agrees with the hours I found at Kara in the gold-mines. At noon they came out of the mines to dinner —unless, that is, a man had arranged his hours otherwise; for it seemed that so long as they did not worry the Cossacks or prevent their lounging about and smoking, the prisoners might do their allotted number of hours when they pleased. There was, moreover, no definite amount of mineral required of every man daily, and hence he might work hard or not, pretty much as he liked.

This, then, appears to have been the condition of things at Nertchinsk 15 years ago;* and from what I heard in Siberia, matters since seem to have improved rather than otherwise, though it must not be supposed that the lot of the convicts is an easy one. I am far from attempting to make it appear so. No doubt the corporal punishment inflicted in many cases is very severe. I shall have more to say of this hereafter. The period of an exile's life spent at the mines, before being set free to colonize, cannot but be hard. What-

* I have quite unexpectedly had the opportunity of submitting this chapter, in manuscript, to a second released exile, who was at the Nertchinsk mines at the time alluded to, and who, after expressing his great surprise at the accuracy of my account, confirmed it almost to the letter, adding, however, that he thought I underrated the number of political exiles; but he referred to the numbers deported in 1863 and during the present year, rather than to the average number for the intervening years.

ever laxity of discipline may prevail, as compared with the prisons of other countries, the herding together of the worst of characters, the deprivation of social, intellectual, and religious privileges, to speak of nothing else, must to many make life in the mines, from the nature of things, a burden. But this is very different from killing exiles by inches in quicksilver fumes, or keeping men, women, and children underground by night and by day, with insufficient clothing, food, and sleep. Such gross misstatements must in time be refuted, and the revulsion caused by their exposure often makes people too easily believe less severity than really exists. The treatment of prisoners necessarily depends greatly upon those who are set over them, and the study of human nature about us renders it quite needless to go to Siberia to discover that among prison officials there are both bad and good. That there have been instances of cruelty in the mines I do not doubt, but I believe far less have occurred than some writers would have us believe; and I trust that what has here been written may tend to throw some light upon a matter of which many are desirous to know the truth.

CHAPTER XXXIV.

FROM NERTCHINSK TO STRETINSK.

Nertchinsk.—Its climate and history.—Scene of a Russo-Chinese treaty.—Appearance of the town.—Visits to authorities.—Dinner with a rich merchant.—Siberian table customs.—Poverty of travelling fare.—Fine arts in Siberia.—Painting and photography.—Journey from Nertchinsk.

BEFORE passing from Nertchinsk, a few words should be said respecting its history, and as at Nertchinsky Zavod, 2,230 feet above the sea, there is a meteorological observatory—its climate, also. Mr. Atkinson writes: "The climate is not so horrible as many have supposed, nor is the earth a perpetual mass of ice at a few feet below the surface, as I have seen it stated. The summers are not so long as in Europe, but they are very hot, and the country produces a magnificent flora. Both agriculture and horticulture are carried on successfully, and vegetables of almost every kind can be grown here. Tobacco is extensively cultivated, for which the people find a sale among the Buriats and Tunguses."

Again, Baron Rosen, speaking of Chita, which is on the same parallel and within 200 miles of Nertchinsk, says: "The high situation of Chita considerably increases the cold in winter, but it is healthy, with a fresh bracing climate. The sky is almost always clear, excepting in August, when the thunder is incessant for

days together, and then follows a shower, beginning with enormously large single drops, which in a few hours floods all the roads; for the water falls rapidly down the slopes, digging deep trenches as it runs. The great electricity of the air is remarkable: the slightest movement of cloth or wool produces sparks or crackling. The rapidity of the vegetation is most extraordinary; for both corn and vegetables ripen within the five weeks in which the frosts cease, *i.e.*, from the middle of June to the end of July. One of my comrades first introduced the growing of cucumbers in the open air, and melons in hot-beds." And the Baron afterwards adds: "When I was chosen senior of the prison, I salted down in brandy casks 60,000 cucumbers out of our garden." Whether the Baron is accurate in speaking of five weeks only during which there is no frost, seems doubtful. I observe in the meteorological report from Nertchinsky Zavod, that in 1877 the lowest temperature was, in June, 36°·8; in July, 47°·8; and in August, 41°. If, therefore, frost occurred in these months, it must have been ground-frost caused by radiation; which would not affect the crops. The lowest temperature of the year, which occurred in January, was 45°·5 below zero; the highest temperature, 95°·3, occurring in August.

It should be observed that the Trans-Baikal province has a climate almost peculiar to itself. From the north, the Polar Sea, immense tracts of swamp, lakes, and rivers supply the atmosphere with moisture, a great deal of which is precipitated, in passing southwards, over a region more than 1,000 miles in breadth; and as the clouds approach the Altai, in process of elevating themselves to pass the mountains, they part

with their last drops, which fall along the northern, southern, and eastern sides of the range. But this happens, of course, only when the prevailing winds are from the north. Upon the south there are few lakes or rivers; while the land in general is dry, and remote from the sea. The winter clouds from the Indian Ocean in the south, and the Caspian on the west, discharging themselves upon the mountains of Thibet and Bucharia, rarely pass the desert of Gobi. Accordingly, the winds blowing so regularly from this direction bring no water; and thus, rain clouds coming for the most part from the Pacific only, it comes to pass that the fall of rain and snow about Chita and Nertchinsk is exceedingly small, and the winter passenger, for lack of snow upon which to drive, has frequently in this region to mount his sledge on wheels.* As summer travellers, however, we had no difficulties of this kind, and the absence of rain we regarded as a blessing. The weather was delightful, and I was looking forward, after passing a few more stations, to bid farewell to tarantass and horses, and by steamer to descend the Amur.

* The following table gives for 1875 the number of days of rain and snow, the mean temperature of winter, spring, summer, autumn, and the whole year, and the difference between the mean temperatures of summer and winter, for London and four Siberian towns :—

	WINTER.		SPRING.		SUMMER.		AUTUMN.		YEAR.		Diff.
	Days	Temp.	Days	Temp.	Days	Temp.	Days	Temp.	Days	Temp.	betw.
Nikolaefsk	28	1·27	36	25·70	28	59·05	39	32·23	131	29·56	57.78
Barnaul .	22	6·60	26	42·93	30	61·83	30	29·10	108	35·11	55·23
Irkutsk .	10	— 1·27	17	2·14	25	61·54	11	30·65	63	23·27	62·81
Nertchinsk	5	— 1·40	17	2·81	26	60·70	12	24·90	60	21·75	62·10
London .	47	40·0	34	53·70	42	60·40	44	43·50	167	49·40	20·40

The precipitation (rain and snow) in inches stands as follows at Barnaul, Nertchinsk, and London :—

Barnaul .	Inches. 0·92	Inches. 1·77	Inches. 6·39	Inches. 2·93	Inches 12·01
Nertchinsk	0·75	0·60	8·77	7·42	17·54
London .	4·76	5·13	9·94	8·21	28·04

The town of Nertchinsk is one of the oldest in Eastern Siberia, having been founded in 1658. After about 10 years it began to rise into a place of importance, and 20 years later was the birthplace of a famous treaty between the Russians and the Chinese.*

The question in dispute was the boundary of the two empires; the Russians first proposing, and the Chinese refusing, that the Amur should be the boundary; after which the Chinese proposed, and the Russians refused, that Albazin, Nertchinsk, and Selenginsk should be surrendered. After several conferences neither party showed a disposition to yield, and both prepared for battle; but this was averted, and a treaty was at length drawn up fixing the boundary between the empires, but by no means in accordance with Russian wishes, for they were completely shut out from the Amur.

After this, Nertchinsk remained for a long time the most easterly of the large towns in the Trans-Baikal region. The discovery of metals in the surrounding mountains increased its importance, and the continued arrival there of exiles, and the stories connected with them, caused the place to be only too well known—at least by name—throughout the empire.

* Mr. Ravenstein gives an interesting account of this. The two nations were represented by the envoy extraordinary Fedor Alexevitch Golovin, and the celestial ambassadors So-fan-lan-ya and Kiw-Kijew, with two Jesuit fathers as interpreters. The Russian envoy was accompanied by a regiment of Regular Militia (Strelzi) 1,500 strong, and two regiments raised in Siberia; but the Chinese ambassadors were accompanied by a force of 9,000 or 10,000 persons, consisting of soldiers, mandarins, servants, and camp followers. They had from 3,000 to 4,000 camels, and at least 15,000 horses; and as they came to the river's bank opposite Nertchinsk, before the arrival of the Russian envoy, the Governor of the town not unnaturally felt uneasy at the presence of so large a company.

At length, however, Golovin arrived, and a large tent was pitched, mid-

The town is charmingly situated, 1,845 feet above the sea. The surrounding country is picturesque, and the soil rich. Hill, valley, river, mountain, all combine to make it an interesting spot, apart from its legendary and historic associations. Mr. Knox entered the town from the east, and speaks of the view as especially pleasing, because it was the first Russian town where he saw evidences of age and wealth. The domes of its churches glistened in the sunlight that had broken through the fog and warmed the tints of the whole picture! It struck me, however, very differently. The natural beauties of the place, of course, one could not but admire, but I had left behind the handsome cities of European Russia, and had passed through many cleanly and newly-built towns in Siberia, in comparison with which Nertchinsk struck me as being black with age and decay. There was a woebegone look about the place, and the streets seemed deplorably neglected. Many of the houses were falling to pieces, and gave the town a most untidy appearance.

We reached Nertchinsk on Wednesday morning, July 23rd, and made it our first business to seek the Ispravnik, from whom I wished to get general information respecting prisons and mines, and permission,

way between the fortress and the river, one-half appropriated to the Russians, the other to the Chinese. The Russian portion was covered with a handsome Turkey carpet. Golovin and the Governor of Nertchinsk occupied arm-chairs, placed behind a table, which was spread with a Persian silk embroidered in gold. The Chinese portion was devoid of all ornament. The chiefs of the embassy, seven in number, sat upon pillows placed upon a low bench. The remainder of the mandarins and Russian officers were ranged along both sides of the tent. The Chinese had crossed the river with 40 mandarins and 760 soldiers, 500 of whom remained on the bank of the river, and 260 advanced half-way to the tent. In a similar manner, 500 Russians were placed close to the fort, and 40 officers and 260 soldiers followed the envoy.

perhaps, to visit some of them within reasonable distance, though I hardly hoped to see the great mines, as I knew they were more than 100 miles away from the town, and if I attempted to reach them I should either miss the penal colony of Kara, or lose the steamer which was shortly to leave Stretinsk. We had thought it just possible, moreover, that the Ispravnik might provide some one who could speak English, French, or German, to accompany me to Stretinsk, and thus leave my interpreter free to return.

Nertchinsk formerly stood at the junction of the Nertcha, which flows from the north, and the Shilka. The repeated damage to the houses from floods caused its removal, though even on its present site the lower part of the town has been more than once under water. It was to this lower part we drove in search of the authorities, but the Ispravnik was away "in the country," and his representative was asleep.

We went next to present a letter of introduction to Mr. Bootyn, of whom we had heard at the Alexandreffsky Central Prison, and subsequently at Irkutsk. On approaching his house, it proved to be not only the most remarkable in the town, but, I might add, the grandest we had seen in Siberia. The houses of Nertchinsk have already been alluded to as old, black, and rotten; but Mr. Bootyn is a merchant, miner, and millionaire, who has been to England and round the world, and he was building himself a house, in the construction of which were manifest sundry foreign ideas. It was a huge erection, part of which was executed in Byzantine and castellated styles; and the establishment comprised dwelling-houses, gardens, conservatories, and shops—all in one. The Mr. Bootyn

to whom our letter was addressed was from home, but we were received by his brother, and invited to dine in the verandah conservatory.

This gave us an insight into the social habits of another class of Russians, and I was now beginning to know pretty well what to expect when invited by a Siberian to dinner. Their hospitality is unbounded, though, of course, its manifestation differs according to the means of the host. Our first dinner in Siberia was at a merchant's house, where brother-merchants in travelling put up, and hence it was called a hotel. We were asked if we would have our dinner in our own room, or *en famille*. I was rash enough to choose the latter, and we found ourselves seated at the table with mine host and a queer lot of male guests (there were no females), who appeared to be clerks or fellow-lodgers. We were first requested to help ourselves from a tureen, in the centre of the table, to *stchee*, or soup, on the top of which the fat floated like oil; and for the next course we had bones of veal, followed by game and sour berries. Our fellow-guests ate ravenously, tearing the bones to pieces with their teeth. Nothing was placed on the table to drink, but towards the close of the meal a glass of milk, as is common in Western Siberia, was given to each. The foregoing represents, I should think, the dinner of the well-to-do Siberian tradesman. There is nothing like display, and things are sometimes served in a rough fashion. If any one wishes to be brushed clean of over-fastidiousness in the arrangements of the table, I can conscientiously recommend a tour across Siberia. In one house where I was entertained—and entertained most kindly—the fish was brought in in the frying-pan, and

thus placed in the middle of the table, which, if it did not minister to the delights of the eye, gave us food admirably hot. On one occasion we dined with a teacher of languages in a classical school, and he gave us stchee, roast meat with sour wild cherries, then preserved maroshka berries and pudding. We dined in a similar fashion with a medical doctor, but fared more sumptuously in the house of a gold-seeker, where salt-spoons reminded us of England.

At Nertchinsk we had fallen on pleasant places. The number of plants and flowers (I had almost said shrubs) on the table went far to hide the guests from one another, but there was abundance of excellent food. . Had we been bibbers of wine, there was no lack of the choicest vintages; but, upon our declining alcohol, we were offered some excellent cherry syrup, which, in so remote a region, was a great luxury. Further east, I was invited to dinner by the acting governor of a town, where the first course was provided, they said, for my special benefit. It was a salmon pie. Fish pie is a grand dish with peasants, and their betters too, throughout Russia. If well prepared it is excellent. The crust is not made with butter, but with yeast, as it is commonly eaten in Lent, when butter is forbidden. I dined most sumptuously, however, in Siberia, at Vladivostock, with the officers of a Russian man-of-war, at the house of the Governor Here everything was served with the elegance and refinement of an English mansion; and the customs observed were much the same, except that the hostess (in the absence of her husband, the Governor) gave a toast standing, and left her seat to come round and do the honours by touching glasses with several of her

guests. Thus I saw something of the table customs of nearly all classes. Grace was sung before meals in the house of a devoutly orthodox general in Petersburg, and now and then I saw a peasant, before or after a meal, turn to the ikon and cross himself; but grace before meat did not appear to obtain as a custom in Siberia. I partook, too, of all sorts of Siberian food, from sumptuous dinners down to what was often very humble fare indeed. I think the *best* dinner we got at a post-station consisted of chicken soup, then the newly-killed chicken that made it, and pancakes. This, perhaps, was due in part to our not usually caring to wait until a meal could be cooked, and we could not always eat what the post-people had prepared for themselves, even when it was ready. Our provision basket, however, supplied us with a few relishes to bread and butter, and thus we made shift from town to town. I never travelled with anything like such bodily fatigue as during the drive across Siberia; and never, that I can remember, ate so little animal food during a corresponding period of time; but I have no hesitation in saying that my health was better after the journey than before it.

Before we left Mr. Bootyn's, we were shown some of the best rooms in the house, elegantly furnished. In one of them was a fair collection of European paintings, some of which I recognized as Swiss scenes. I do not remember seeing any other paintings in Siberia worth naming, nor do I remember being shown any statuary. Both would, of course, be carried safely with difficulty over such immense distances and such uneven roads.

The Siberians are, however, by no means behind in photography. When preparing for my tour, I had

serious thoughts of taking with me a camera and dry plates, thinking thereby to secure some novel pictures, to the surprise, perhaps, of the people. It proved well that I attempted nothing of the kind, for much trouble was thereby saved to me, and instead of my astonishing the natives, I found that the natives astonished me. I visited parts of Siberia of which no English author has written, but discovered that photography had everywhere preceded me; and though there were many villages in which we could not procure white bread, there were few towns in which the same could be said of photographs.*

In Siberia, some of the photographers are Polish exiles; some are Germans; one I met was a Frenchman, and another a Finn. Their landscapes are not particularly good, and their productions are dear. Landscapes of the size of views which may be purchased in Rome for sixpence cost in Siberia at least six shillings; and when, at Krasnoiarsk, our party went to be photographed, we paid for cabinet groups

* It is interesting to know that in certain departments of photography, Russia stands well to the front. In theoretical, scientific, and landscape photography, I am informed England takes place in the foremost rank; but in portrait photography, Russia is before us. Among first-class photographic artists in Petersburg, the names might be mentioned of Levitzky, Bergamasco, and Dinier; and in Moscow that of Eichenwald; but the most remarkable photographer in all Russia, probably, is one Karelin, at Nijni Novgorod. A small view of Kasan, which I purchased in the city of that name, and which is printed by the phototype process, seemed to indicate that this branch of the art had extended more widely, and made further progress eastward, than might have been expected at the time of my visit. There are to be had in Petersburg and Moscow some magnificent photographic panoramas of the two capitals; and in descending the Urals, on the Asiatic side, I procured what can rarely be had elsewhere—a photograph of a surface iron-mine; whilst further east was added one of a gold-mine. A photographic view of Ekaterineburg, given me there, shows how thin and light is the air in Russia, for purposes of photography, as compared with ours in England.

at the rate of sixteen shillings the half-dozen copies. It should be remembered, however, that the demand is limited.

After taking leave of Mr. Bootyn, we prepared for a journey of 150 miles, which was to bring us to Stretinsk. The upper town of Nertchinsk is built at the end of a long sweeping prairie, exposed to all the winds that blow up through the valley, or down from the cold summits of the Yablonoi Mountains. We came towards night to a solitary house in the midst of the steppe, the poorest station we had seen. The outer roof was off, and the building divided into two compartments—one for travellers and the other for horses—the one being not much better than the other; whilst on the opposite side of the road was the only building in sight—a roofless shed. The only food to be obtained was black bread, salt, and water, and in this place it looked at first as if we should be compelled to stay; for they had not six—that is, two "pairs" of—horses; they had four; and I suggested that the difficulty should be overcome by putting two horses to each vehicle. But this they said was illegal, because their four horses would make only one "pair," and these they were willing to attach to our tarantass, if we would pile on the rest of our boxes before and behind. By what mathematical process they explained this reasoning about pairs I have never yet fathomed, but we were only too thankful to get on at any price, and early next morning we drove into Stretinsk.

CHAPTER XXXV.

FROM STRETINSK TO UST-KARA.

Arrival at Stretinsk.—Recorded distances from Petersburg.—Taking in a passenger.—Travelling allowance to officers.—Parting with interpreter.—Farewell to tarantass.—Starting to Kara.—The world before me.—Previous writers on the Amur.—Gliding down the Shilka.—Talking by signs.—My Cossack attendant.—Taking an oar.—How Russians sleep.—Arrival at Ust-Kara.

ON reaching Stretinsk, we were on the same meridian as Nanking. We had been reminded of our increasing distance from Petersburg by the verst-posts which kept us company all the way. At every station, too, there is a post setting forth how many versts distant are Petersburg, Moscow, and the government towns on either side. The verst-posts recur at every two-thirds of an English mile. At the top they are shaped square, being so turned that the approaching traveller sees at a glance how many versts it is to the station which he has left, or to which he is journeying. When we entered Siberia at Tiumen, the distance was 2,543 versts from Petersburg; at Tomsk it increased to 4,052; at Krasnoiarsk to 4,606; and at Irkutsk to 5,611; whilst on arrival at Stretinsk it was almost 7,000 versts, or 4,600 miles.

It has already been stated that, after leaving Nertchinsk, the number of our horses was reduced. On reaching the last station but one, we had to take in a

passenger. We overtook an officer, his wife and family, whose acquaintance we had made in the Obi steamer, and whom we subsequently met several times on our journey eastward. His wife spoke French, and their three or four children were exceedingly well-behaved. We could not help pitying this party of six, all of whom were stowed away in a single tarantass, not much, if any, bigger than ours, which was not excessively large for two. One of the children, if I mistake not, was a baby, and if to the discomforts I have described as accompanying us two be added the crowding of all these children and an untold quantity of baggage into a single vehicle, then one may picture some of the difficulties with which Russian officers and their families travel in Siberia.

This party having arrived before us had secured one "pair" of horses, and the question arose as to whether the remaining pair should be given to us or to a telegraph officer, who had also arrived before us, but who was proceeding in our direction. He proposed that we should have the horses and take him carriage free, which, rather than wait, we were glad to do, and he thereby was able to pocket his travelling allowance.*

* The Russian Government, when sending officers overland from Petersburg to the Amur province, say, for instance, to Nikolaefsk, grants them money according to their rank, and the number of horses they are supposed to drive. Thus, a lieutenant is allowed 2 horses, a captain of the third rank 3, captain of the second rank 4, captain of first rank 5, rear-admiral 6, vice-admiral 7, full admiral 8; and the sum for horses in each case is doubled; in addition to which, for outfit, single officers receive on the outgoing journey half a year's pay, and married officers a year's; but when they are returning, three-fourths of a year's pay is allowed to married and single alike. The distance from Petersburg to Nikolaefsk is 9,848 versts, and the cost of a horse for this distance, at the time of my visit, was 277 roubles—say £28. An officer, therefore, going to this privileged part, or returning on furlough, might multiply £28 by the

On arriving at Stretinsk we found it a good-sized town, with hospital, sundry factories, barracks, and other buildings, befitting the chief port of the Upper Amur. We were reminded, however, of its distance from civilized centres almost before our horses stopped, for a youth rushed up to inquire whether our tarantass was for sale. They make no axletrees of iron in these parts, and hence, when a traveller arrives who has a tarantass thus furnished, he has a good chance, after having had the use of it all across the country, to sell it at Stretinsk for as much or more than it cost in Europe. White bread was at famine prices here, costing 6*d.* a lb. —five times as much as we paid at Tobolsk—because the American flour deposited at Nikolaefsk ascends the river a distance of nearly 2,000 miles, and the Russian flour, from Irkutsk, travels 900 miles by land. So between the two, delicate persons "brought up on white bread," as the Russians say, fare badly.

We called first at the telegraph office, and presented a letter of introduction to Mr. Koch, who was ready at once to help, and from whom I learned that my coming had been announced to the Commandant, Colonel Merkasin, a worthy officer, of whom I heard a good account from a released political exile, who said that prisoners received much kindness at his hands, and that, if the colonel used their labour, he paid them fairly

number of horses to which his rank entitled him, double the product, and add 6, 9, or 12 months' pay, and so realize a heavy purse. Out of this he might save considerably by hiring less horses than his dignity was supposed to require, by sharing expenses with another traveller, or, lastly, in the case of one already in the Amur province, and entitled to leave on furlough, by giving up his holiday and pocketing the travelling expenses, which last, I found, was not unfrequently done at Nikolaefsk, by officers who had got into debt, and looked forward to furlough money as the means of getting them out of their difficulties.

for their work. We were favoured with his ready attention, and, on going to his house, found that the Governor of Chita, according to his promise, had requested him to make arrangements whereby I might visit the mines of Kara. They were 80 miles distant, and could be approached in summer by land only by a bridle-path. The other method was to row down the Shilka in an open boat.

But I was first to part with my interpreter, who was to return from this place, a day or two afterwards, in our poor old tarantass.* Before parting, there were sundry arrangements to make, and various things to send back with him, instead of my taking them round the remainder of the globe; but some of these I never saw again, for at one of the stations Mr. Interpreter's portmanteau was stolen, with my property in it. The only place at Stretinsk in which we could put up was a small building, dignified with the name of an hotel, consisting of a central chamber with a billiard table, and a room on either side—one set apart for women and the other for men. The sleeping accommodation

* He left it at Tiumen, where it still may be, for aught I know to the contrary; in danger, perhaps, of being immortalized, like another old "equipage," of which the following story is told. The Russians apply the term "equipage" to any vehicle, whether on wheels or runners, and whether drawn by horses, dogs, deer, or camels. The same word "equipage" is used in Russian, as in French, to denote a ship's crew. Accordingly, a few years after the disappearance of Sir John Franklin, the English Admiralty requested the Russian Government to make inquiries for the lost navigator along the coasts and islands of the Arctic Ocean. An order to that effect was sent to the Siberian authorities, and they in turn commanded all subordinates to inquire and report; whereupon a petty officer, somewhere in Western Siberia, was puzzled at the order to inquire concerning the English Captain, John Franklin, and his equipage. In due time, however, he reported, "I have made the proper inquiries. I can learn nothing about Captain Franklin, but in one of my villages there is an old sleigh that no one claims, which may be his equipage."

in the latter was a wooden seat running round the room—a very common arrangement still in many parts of Russia. They provided us food, however, and the place sufficed for unpacking and arranging our effects, of which I intended to take the light baggage with me, and leave my trunk, "hold-all," and boxes of books to follow by the steamer.

I was anxious to get forward as quickly as possible, for it was already Thursday morning, the 24th of July, and on Sunday evening the steamer was due to pick me up at Ust-Kara, and take me to the Amur. The colonel spared no pains to make things go smoothly. He had provided a boat used by the police, which I was to keep all the way, and not change at every station. He had also provided a Cossack who was to be my guard, servant, and attendant, and whom I asked the colonel positively to order not to leave me till he had delivered me safe into the hands of Colonel Kononovitch, the Commandant at Kara. The colonel smiled at my request, and undertook to see that my luggage was properly put on board the steamer, as also did Mr. Koch; and then, bidding farewell to the officer and to Mr. Interpreter, I embarked at three o'clock to float down the waters of the Shilka.

And now the world was before me, and that in a sense in which it had never been before. I was not only a stranger in a strange land, but penetrating a region where no English author had preceded me;*

* The names of several have been mentioned who crossed Siberia turning northwards to the Sea of Okhotsk, or southwards to China; some, too, as Captain Cochrane and Mr. Atkinson, reached Nertchinsk and the surrounding neighbourhood; but none went on to the Amur. Mr. Atkinson wrote a book of "Travels in the Region of the Upper and Lower Amur," but he did not see the goodly land; he only described it, getting his infor-

but I was far from disliking my new position. The weather was delightful, save that I rather feared sunstroke, and would fain have had a cabbage-leaf to put in my hat. The colonel had recommended some other antidote, but it was rendered unnecessary by the rising of clouds, from which there fell a few drops of rain. The Cossack had provided two oarsmen, so that I had nothing to do but to lean back in the boat, and enjoy the delightful way in which we glided down the stream. It was so pleasant, too, to miss the dust of the road and the jolting of the tarantass!

I could ask no questions, from the simple fact that none of my crew spoke anything but Russ, of which I had hardly learned a dozen words. I purposely did not spend time in mastering even the elements of the language, thinking that I should have an interpreter with me all the way, and not supposing that I should have any further use for my smatter after leaving the country. Moreover, the Russian alphabet of 36 letters is different from others used in Europe, and is certainly not inviting. I had very commonly found, among the upper classes of Russians, that I could get on by some means in French, German, or English. The post-

mation, probably, from the Russian officers who took part in the annexation of the country; and some of his illustrations, if I mistake not, from the Russian book of Maack, which has proved a storehouse also for subsequent writers.

Two American authors, however, had passed this way—Mr. Collins, who, in 1858, from Chita, floated down the Shilka, continuing the whole length of the Amur to Nikolaefsk; and Mr. Knox, who, bent on journalistic enterprise, made his way up the Amur from Nikolaefsk to Stretinsk. Unfortunately, I had neither of their works with me, nor had I the more scholarly volume of Mr. Ravenstein, whose production, though not that of an eye-witness, is far the best English work on the Amur, being largely compiled from the information given by those Russians who were the first scientific explorers of the country.

masters, who happened to be Jews, spoke German; and when this triglot mode of communication failed, I took to signs and dumb show—not always, however, with entire success.

At Tomsk, for instance, while Mr. Interpreter was "blowing up" the officials for allowing us to be sent on the wrong road, I was peacefully engaged in ordering the samovar and preparing for tea at the post-house. I wanted some eggs, for which, even if I had learned it, I had quite forgotten the Russian word, "*yaitsi*." The Russian who wanted an egg in England cleverly clucked like a hen, and was instantly understood; but this did not occur to me. I therefore walked into the back room, and, to the woman's astonishment, peeped into the cupboards and drawers, and examined the shelves; but to no purpose. I then bethought me of my artistic acquirements, and, taking out a pencil, drew on the wall an oval the size of an egg, and bade the woman look at *that;* but she was too dense to catch my meaning. At this juncture her husband entered, and I appealed to his masculine intelligence by pointing to the oval on the wall; but he could not "see" it. A happy thought then struck me, and I remembered that I had in my provision-basket an egg-cup. I took him accordingly into the guest-room, and showed it in triumph. But the man mistook it for a brandy-glass, and said to his wife, "Oh! it is *vodka* he wants." I had therefore to return to the charge, and took him into the yard, thinking to see a hen walking about; but they were gone to roost. So I pointed to a pigeon instead, but he perceived no connection between that and a hen's egg; nor, on second thoughts, did I. At last I saw in a corner some broken egg-shells, and, picking them up,

showed them, and effected my object. Further east, I lost a pocket-book containing some of my most important documents, and was compelled to go through a very serious conversation all in dumb show; but this I must not anticipate.

On the Shilka I experienced no inconvenience through not knowing Russ; for, on arriving at the first station, the Cossack went off for fresh oarsmen, and I aired my dozen words in ordering the *samovar*, which important word, together with *tarelka*, a plate; *chai*, tea; *voda*, water; *stakan*, a glass; *sakhar*, sugar; *khleb*, bread; and *maslo*, butter, I had thoroughly mastered. It was no part of my duty, I suppose, to feed my Cossack; for I observed he had brought with him black bread, but of course I offered him tea and other fare, to which he took very kindly, even to preserved meat, though he fought shy of anchovy paste, which probably he had never seen before.

Tea over, we left our first station, 17 miles from Stretinsk, for station number two, 14 miles distant. But on this stage one of our oarsmen was old and feeble, and I had insisted (by signs and motions) that an extra hand should be hired, and that the Cossack should be allowed to rest, which he did by curling himself up in the prow of the boat and going to sleep. In this state of things darkness came on, and eight o'clock, nine o'clock, and ten o'clock passed, and still we made only slow progress. At last, in spite of the remonstrances of the men, I took an oar myself, pulled away lustily till I had a warm jacket, and at eleven o'clock we arrived at the post-house of Uktich.

On entering the room a practical illustration was afforded us of the Oriental custom, "Take up thy

bed and walk." The people of the house, not expecting travellers, had occupied the guest-chamber,—one on the bedstead, another on the floor, and so on; but, upon my entering, they snatched up the rugs or cloths upon which they were lying, and decamped with alacrity. In crossing Siberia we rarely saw a genuine bed in the houses of the peasantry, and the people do not usually, I believe, undress before going to sleep.*

Soon after five the next morning, I roused the Cossack, who had taken up his quarters on the floor of the guest-room, and by six we started for Botti and Shilkinsk, the third and fourth stations from Stretinsk; and, after sundry stoppages, at seven in the evening we finished our day's pull of 44 miles, and reached Ust-Kara, where Colonel Kononovitch was awaiting my arrival.

* Their favourite place for spending the night is on the top of the stove, which is sometimes raised at one end by brickwork to form a rest for the head. Before mounting this, they may perhaps take off their boots and an upper garment; but an Anglo-Russian lady has told me that, when living at Kertch, though she made it a condition, before a woman entered her service, that she should undress before going to bed, yet servants frequently transgressed; and that, as far as the men were concerned, they never took off their clothes but for the bath or to change them.

CHAPTER XXXVI.

THE PENAL COLONY OF KARA.

Evil reputation of Kara.—Testimony from Siberians and exiles.—My own experience.—The Commandant.—Our evening drive.—Hospitable reception.—Statistics respecting prisoners, their crimes, sentences, and settlement as "exiles."—The Amursky prison.—Cossack barracks.—The upper prison.—Convicts' food.—Prisoners' private laws.—Middle Kara prison.—Mohammedan forçats.—Sunday labour.—Convict clothing.—Guard-house.—A genuine political prisoner.—The church.—Lack of preaching.—House of the Commandant.

IN the penal colony of Kara I found more than 2,000 convicts, and a few political prisoners, together with some of their wives and families, a military staff, and some peasants. The penal institutions of this place are not so old as those of Nertchinsk; but, like them, they inherit a bad reputation. Mr. Atkinson appears to have been the first author to bring the place under the notice of English readers, doing so in no favourable terms, though he does not profess to speak as an eye-witness. Before I left England I was told that, if I did not intend to go east of the Baikal, I should see nothing but what might be witnessed in the prisons of London, and that I should get no idea of the real horrors of Siberian exile. This was said by a man who had worked in the mines of Nertchinsk, and he urged me by all means to see Kara.

Again, when we reached Siberia, and were travelling

on the Obi, my interpreter conversed with an officer in the prison service, whom he told that I had come to Siberia for the purpose of seeing its prisons. The officer expressed his doubts (as numbers of my English friends had done before) as to whether I should succeed in getting at the real state of the convicts in the mines and prisons; and he further mentioned three places where they had to work specially hard, namely, Alexandreffsky and Nertchinsk (about which I have spoken), and the third was Kara.

We met further east a gentleman who told me that his brother-in-law, a colonel, had given him sad accounts of the dreadful state of some of the prisons in Eastern Siberia. I was introduced to the said colonel, but a lengthy inquiry was productive of little more, on his part, than general statements, and I obtained only five lines for my note-book, the gist of them being that, when I asked for the very worst places—those in which I should find most horrors—one of the four places mentioned was Kara.

It is curious to notice that, of the four persons who spoke against Kara, not one of them (so far as I know) ever went there; and, with regard to Nertchinsk also, it is observable that the language of ear-witnesses respecting its mines is far stronger than the language of eye-witnesses, or even of those who suffered as prisoners. But I need dwell no longer upon what others have said, and may proceed to write of what I saw at Kara, where I was, if I mistake not, the first English visitor.

It was towards evening when our boat reached Ust-Kara. Pacing the river's bank was Colonel Kononovitch, the Commandant of the colony. I had been

delayed on the way, and he had been for some hours awaiting me, but a few words of explanation sufficed to make matters clear. My tongue, after an enforced silence of nearly 30 hours, was now released. We talked in French, and I soon discovered that I was addressing an officer of more than average intelligence. He took me into the police-master's house for some light refreshment, and to leave my heavy baggage, and then suggested that we should start on a drive of eight miles, so as to reach our destination before dark.

Our way lay over a stony road, through a wild valley, which, in the shades of evening, had a weird and out-of-the-world appearance. The ridges of the hills were irregular, and partially covered with conifers, while lower were deciduous shrubs and trees, though not of considerable dimensions. Among the rank and tall herbage were some late flowers, and an orange tiger-lily, about two feet high, that was strange to me. After we had driven a few miles, we came to a *détour* in the route, where the colonel proposed that we should clamber up a bank, and walk down to the road on the other side. From this elevation the landscape appeared wilder than ever, and the place looked like a natural prison, from which escape was impossible. There was not a habitation to be seen, and the consciousness that we were in the neighbourhood of so many "unfortunates," as they are called, gave me similar feelings to those with which I looked down on the forest-bound prison at Alexandreffsky.

As we drove along, and darkness crept on, there passed us labouring men returning from work, who saluted us. "Who," said I, "are they?" "They are

convicts," said the colonel. "Convicts!" said I; "how, then, are they loose?" "Oh," said he, "a large proportion of the condemned—perhaps half—live out of the prisons in their houses *en famille*.* But they ought not to be out after dark." I then began to inquire respecting the crimes of the prisoners, and was informed that there were in the place about 800 murderers, 400 robbers, and 700 vagrants or "*brodiagi*"; and having been told what proportion of these were loose, I was not surprised to hear the colonel say that he usually avoided, if possible, being out at night. I approved his caution. Being very tired, moreover, and seeing that it was now dark, and that neither of us was armed, I was heartily glad to reach Middle Kara, the end of our drive.

Where I was to be quartered I did not know. There was no hotel in the place, or even a post-house, and I doubt if they could have offered me lodgings, as at Troitskosavsk, in the police-station. The commandant, however, had arranged everything for me, and I found that I was to occupy his own study. There he had prepared a neat, clean little bed; and as I looked around at the European comforts on the table, in the shape of writing materials and ornaments, it seemed like an arrival in the library of an English gentleman rather than the private bureau of the director of a penal colony.

* This is permitted after the expiration of two, four, six, or eight years (or nearly one-third of the punishment), to those who by good behaviour attain to a certain class. They still live on the spot and must work, and after a second period of this half-liberty, they are sent to a better place as exiles. Whilst in the former class they may be re-imprisoned for bad conduct, but not, I find, after they are set free to colonize (except for fresh crimes), as I have stated in my chapter on the exiles, vol. i., p. 35.

I wanted to get a thorough rest against the morrow, for we had a stiff programme before us. Moreover, the last bed I had occupied was nearly 600 miles away; and, with the exception of two nights, I had not taken off my clothes to sleep for exactly a month. But the colonel insisted first on giving me food, of which my prominent recollection is that it was tastefully served, and consisted of delicacies that had been out of reach for many a day, with tinned fruits, including pears that had made their way from America up the Amur. When at last I undressed, and stretched my limbs between a pair of sheets, I felt on excellent terms with my surroundings in general, and the colonel in particular. He was a fine-looking man, with intellectual tastes and an intelligent forehead, and neither smoked, drank, nor played cards,—a trio of virtues by no means always found in a Siberian official. The room was clean and sweet; quietness reigned around; and, uninterrupted by the rumbling of the tarantass or the noise of a post-house, I was left to sleep in peace.

I had been asked overnight whether next morning I should like a bath. Of course I jumped at the offer, having been able to get such a luxury but twice in Siberia. Accordingly, on waking, the colonel brought me a Turkish dressing-gown and bade me follow him. I thought, perhaps, he would lead the way to a bath-room, instead of which he opened the front door and marched me down the middle of his garden to a summer bathing-shed. Here I splashed about, then returned to my toilet and to breakfast.

Of course I asked all sorts of questions about the convicts, or, as they are called, "forçats," or *katorjniki*—prisoners condemned to forced labour. Their

number at Kara for four preceding years had been as follows:—

1875	1876	1877	1878	1879*
2,600	2,722	2,635	2,543	2,458.

Their classification according to crime is important, as throwing some light on the number of political prisoners, for whom, I was told, Kara is a special place of deportation, and I have heard that it has become more so since my visit. The only class where they could be included was under the heading "various," of whom there were 73; and this would suffice to include the politicals, respecting whose number I asked, and was told that it was 13 Russians and 28 Poles. I did not hear of any of the sects of dissenters in prison at Kara.†

As regards the sentences of the convicts, they were all, I believe, condemned to hard labour, either of the fabric or the mines—one year of work in the mines

* The colonel had not quite all the statistics to hand for 1879. Their number, therefore, at the time of my visit, was given me as 2,144, classified, according to their crimes, as follows :—

	Men.	Women.	Total.
Murderers	668	125	793
Robbers with violence	404	5	409
Incendiaries	29	9	38
For rape	22	—	22
Forgers	45	1	46
Offenders against discipline, and defaulters in public service	86	—	86
Vagabonds	665	12	677
Various	71	2	73
	1,990	154	2,144

† The only place where I met any of these in confinement was in the prison hospital at Tomsk, in which were three *Subbotniki*,—one of them a priest, and the others descendants of priests,—who were suffering from scorbutic disease, and who were in prison, I *think* I understood, for trying to propagate their creed; though, as this would seem to be contrary to

counting for a year and a half in the fabric. There were a few, chiefly "vagabonds," sentenced to Kara for life; but for such grave offenders even as parricides, fratricides, etc., 20 years was the extreme limit of their terms. The convicts are able to shorten their time, to some extent, by good conduct, and are set free to live as colonists, or, as they are then technically called, "exiles," or "*poselenetsi.*"*

Not all of the forçats at Kara, as already observed, were in prison, nor were those in close confinement placed all in one building, but in six, distributed over a distance about 15 miles long. Thus we left one behind at Ust-Kara, another about midway between the river and Middle Kara. At Middle Kara were one or two prison buildings, and in the opposite direction from the river were two more, the High Prison and the Amurski Prison, which last was eight miles distant from the commandant's house. To this last the colonel proposed to drive first, and then work back, taking the others in order; and this, after breakfast, we proceeded to do.

It was a beautiful morning when we started, and the

what I understood were now the laws respecting dissenters, it may be that I did not understand the whole case. Subbotniki are so called because they believe that we ought to keep *Subbota*, or Saturday, as the day of rest. They are said also to consider circumcision a binding ordinance, because it was to Abraham, the father of the faithful, that the Lord gave it, and Moses wrote, "in your generations *for ever.*" In some other respects, perhaps, such as purifications, they may further Judaize.

* The number of forçats who, after finishing their terms, were, by special order of the Government, distributed, as exiled colonists among he inhabitants of the provinces of Eastern Siberia, for the seven years preceding my visit, was as follows:—

1872	1873	1874	1875	1876	1877	1878
176	193	134	167	290	472	672

—the last year thus showing a release of a third of the whole number I found under detention.

bright sun and the clear air gave a very different aspect to the valley from that of the preceding night. The dark hues of the conifers stood out well in contrast with foliage of lighter green, a stream was visible here and there, and immense forests bounded the horizon. We drove a pair of splendid horses that would have attracted attention in Rotten Row; and as we dashed along the road I perceived at its side wild currants and strawberries, raspberries, and wild peas, the apple, and the vine. The colonel pointed out a gold-mine as we proceeded, but I do not remember seeing any one there at work.

When we reached the Amurski prison, it proved to be a log building, of good pitch, and of a single storey. Most of the prisoners were out at work, but a few were engaged in whitewashing the rooms, which the colonel said was done at least four times a year. The wards were large sleeping-rooms, occupied for the greater part of the year only by night. There were no bedsteads, but a wide shelf, like that of a guard-room, ran round three of the walls; and on this they placed their large bags, for the making of which sacking was supplied to them, to serve the double purpose of clothes-bag and bed.

Near the prison were the summer barracks of a company of 150 Cossacks, a fourth of whom were replaced yearly. The barracks consisted of large canvas booths, with rows of beds arranged in the fashion of the summer hospitals. A school is provided in winter for the Cossacks, of whom rather more than a half read.

We next drove back to the *Verchne* (or upper) prison, a building much older than the one we had

left, having in the rooms an upper sleeping shelf resembling a loft, on which the prisoners sleeping would have the full benefit of the breathed air of their comrades below. The commandant saw this, and pointed out that it was an old and doomed building, and that in the new erections they were avoiding a repetition of the evil. In this prison were two solitary punishment cells, one of them being occupied on the morning of our visit for the first time in the colonel's experience.

Some prisoners, it seemed, might receive money, and some not. There was in this prison a Jew to whom 150 roubles a year were sent by friends. His family were living outside. They might bring him food, and were allowed to pay him at least a weekly visit.

We went into the kitchen, and I looked attentively at the scale of diet hung on the wall as in prisons in England.* The weight of the highest allowance in Siberia, as observed before, is far in excess (nearly double) of the highest English convicts' allowance, though for non-working prisoners in Siberia an abatement must be made for fast-days. The annual cost of provisions for each prisoner at Kara is 65 roubles 72¾ kopecks, or say £6 10*s.* The soup appeared

* It appeared that, when a man was working in the mines, he received daily 4 lbs. (Russian) of bread, 1 lb. of meat, ¼ lb. of buckwheat, and a small piece of brick-tea (*kirpichny chai; kirpich* meaning a brick), amounting to a quarter of a brick per month. In winter they are given cabbage and potatoes. When a man was not working, he received 3 lbs. of bread, ½ lb. of meat, and $\frac{1}{12}$ lb. of buckwheat. No *kvas* was provided at Kara except in the hospital. These allowances are given to the prisoners at Kara in kind, and not, as at Irkutsk, their value in money, which would not be so suitable, as I saw no shops at Kara, nor did I hear of any local committee to eke out the prisoners' money.

somewhat roughly served in small wooden tubs or bowls, but I presume that the place is too distant to allow of crockeryware being easily procured. Every prisoner provided his own spoon. Knives, as in most prisons, were forbidden.

We saw, lounging about this building, two or three men who seemed to have very little to do. They were called "*starostas*," that is, seniors or elders. Each ward of men in prison, and each gang of exiles on the march, chooses a starosta, who is their ruler and representative, the middle-man between them and the authorities. He receives the charities given them on the road, and pays and bribes the petty officers for little favours. He is, in fact, banker, purveyor, and general factotum to the body by whom he is elected. The authorities recognise this arrangement, exempt the starostas from labour, and through them deal with the prisoners rather than give their small orders direct. On behalf of the prisoners it is the starosta's duty to befriend them, and see that they have the proper amount of food, and whatever else may be their due; whilst, on behalf of the authorities, should anything go wrong with the prisoners, the starosta is held responsible.* The office, however, at Kara, notwithstanding its privileges and exemptions, is by no means coveted; and the men, rather than be unoccupied, though it be to rule, prefer to work and to serve.

* Thus the prisoners make laws for themselves and invest their seniors with a good deal of power. In this matter there is "honour among thieves." I was told, for instance, that east of Tomsk the sentinels ask an oath of the prisoners that they will not attempt to escape, and then give them certain liberties. My informant said that he had sometimes met gangs of prisoners alone, their sentinels having stayed behind to drink at a public-house. When a general promise has been thus given, should one dare to run away, he is pursued by the others, and when

In the prison at Middle Kara was a considerable number of Tatars. Why they were unoccupied I know not, unless it happened to be a bath-day, which is a holiday, and recurs twice a month; or, again, it may have been one of the Mohammedan festivals, some of the greater of which they are allowed to observe, though not the Friday in every week. Nor are the Jewish prisoners allowed to rest on their Sabbath, nor Christians on the Sunday. It might possibly be argued, in justification of this, that Sunday is not usually observed at any of the Siberian gold-mines; but, however that may be, I thought this robbing the hard-labour prisoners of their day of rest the most cruel and unjust thing in their lot. A greater than a Russian Tsar gave to man the Sabbath, and to take it away from him is, to my mind, nothing less than a sin and a shame.*

Near the prison at Middle Kara was a storehouse, to which we mounted by a flight of outside steps. It contained a quantity of material for prisoners' clothing —coarse linen for shirts and summer trousers, felt for coats, and leather for shoes and gloves; also a number of made-up garments. A pair of summer shoes or slippers was valued at 3*s.*, and a coat of felt at 12*s.* A pair of gloves, such as the prisoners use in the mines, was given me as a keepsake. I have added them to

caught is thrashed, or loaded, according to M. Andreoli, with a sack of earth tied on his back. I have even heard of a gang of exiles sentencing one of their number to death for the breach of some law of their own making, the sentence being carried out of course unknown to the authorities—such cases, I presume, being very rare.

* The only days at Kara on which men are supposed not to work are three days at Christmas, New Year's Day, three days before Lent, three days at Easter, and certain imperial birthdays, making in all 15 days in the year, and the first and fifteenth day of each month for the bath. There are other days when, as a matter of fact, for various reasons, they do not work; but I am speaking of the rule.

my prison curiosities, collected in various parts of the world, comprising fetters, whip, handcuffs, specimens of prison labour, and a variety of other lugubrious objects.

There was likewise a guard-house at Middle Kara. In it I observed, as I had done at Tobolsk, that the furniture and arrangements for the soldiers were not at all better than for the prisoners. From information respecting soldiers' food received later, I make no doubt the rations of the Cossack guards are less ample than those provided for the labouring convicts; and I am persuaded that under some circumstances, dear liberty excepted, the Cossacks are more to be pitied than their prisoners. Thus, when a gang of exiles comes at night to an étape, they can lie down and rest, whereas the Cossacks have to mount guard.

In this building, opening out of the central room guarded by soldiers, were a few (perhaps half-a-dozen) separate cells, through the doors of which no one could pass without being seen by the Cossacks. These cells were evidently inner prisons, in which were kept those whose escape was especially to be prevented. I entered two of them. The first was not quite so wide, but about the length, and rather higher than the cell of an English prison, measuring perhaps five feet wide by eight long and ten high, and occupied by a Tatar gentleman, with his rosary of a hundred beads in hand, with nothing to do.

On entering the second cell, occupied by a political prisoner, just then at work in the mines, I had at last lighted upon the dwelling-place of one of a class about whom such harrowing stories have been told—a genuine political prisoner of high calibre, and a Jew to wit, undergoing the full sentence of punishment in the mines of

Siberia. This meant, in his case, that he had to labour in summer very much like a navvy, from six in the morning till seven in the evening, with certain hours for rest and meals; but in the winter he frequently had nothing to do. His wife was living near, and might see him twice a week. But his cell was that which struck me most. Compared to the criminal wards in

TATAR GENTLEMAN EXILE IN WINTER DRESS.

the other prisons, this was a little parlour. It was clean, and in a manner garnished—not, indeed, in the fashion of a cell at San Francisco, where I found a "boss" painter condemned for life, and who had decorated his cell from floor to ceiling, as if intending to remain there for the rest of his days (this would have been out of keeping with Russian ideas); but

the Kara prisoner had certain articles of furniture and eating requisites, the placing and arrangement of which indicated familiarity with the habits of decent society, and showed the prisoner to be above the common herd. One of his books I found was a treatise on political economy, which may be noted in connection with the remark of Goryantchikoff in his "Buried Alive," who asserts that in his prison no book was allowed but the New Testament. The room certainly was not large, but there was abundance of light, the outlook from the long window being not on a prison wall surrounded by chevaux-de-frise, but commanding a view of the Kara valley such as a Londoner might envy; whilst just outside was the public road, along which could be seen everything that passed. I speak only truth when I say that, if I had the misfortune to be condemned to prison for life, and had my choice between Millbank in London or this political's cell at Kara, I would certainly choose the latter.

Between the guard-house and the residence of the colonel was a collection of buildings and store-houses, called "Middle" Kara. Among these was the church, the priest of which was the only chaplain I could hear of for the prisoners. He practised photography in addition to his ecclesiastical calling, and although he probably needed every rouble he gained thereby—and I certainly ought not to revile him, since by his means the colonel was able to present me with some views of the colony—yet it would have rejoiced me to hear that he was doing something worthy of his position for the spiritual good of the convicts. The pastoral superintendence, frequent services, and preaching to prisoners, as carried on in English prisons, is unheard of at Kara,

RUSSIAN VILLAGE CHURCH.

and I gathered that the convicts attended church only twice a year.*

* This may be noticed in connection with a statement of the author of "The Russians of To-day" (p. 231), who says: "Once a week a pope—himself an exile—goes down into the mines to bear the consolations of religion, under the form of a sermon enjoining patience." I suspect

I may here mention that the religious scruples of Siberian exiles are to some extent respected. Thus, for the Jewish prisoners to be obliged to eat food prepared by Gentiles would be an abomination. In the prison at Tiumen we were informed that 42 Jews, who had been confined there during the previous winter, had been placed together in a ward, with a separate cooking-place, in which they prepared their food canonically. So, too, a similar arrangement had been observed with 71 Mohammedans; and I have just remarked that there were many of this religion together, in the prison at Middle Kara, who were allowed, within certain limitations, the exercise of their religious observances. I have already said that we met a Protestant pastor who made periodical visits to the prisons and mines; and on the Amur I travelled with a Roman Catholic priest, from Nikolaefsk, who was returning from a lengthened tour along the river, which doubtless included visits to his co-religionists in confinement.

After seeing Middle Kara our morning's inspection was over. We had driven 15 miles, and as there were prisons in the opposite direction, extending over the same length of country, it will be seen that for the colonel to pay a visit to all his Kara prisons involved

that the poor fellows would be only too thankful to have the opportunity once a week of listening to a sermon upon patience or any other subject! Moreover, the number of sermons given by our author to his prisoners is exceedingly liberal (52 in the course of the year), seeing that in an ordinary church in Petersburg or Moscow the number does not usually exceed half-a-dozen. I have seen it stated that properly there should be 12, but, in Siberia, on my asking the grandson of a metropolitan how often his father preached, he told me "five or six times a year," and after many inquiries I never heard of but one priest in the empire, though, of course, there may be others, who preached, or rather read, a sermon every week.

a drive, in all, of 30 miles, which I understood he accomplished at least once a week ; and he had also, I believe, another penal institution to inspect, called Alexandreffsky Zavod, at a still greater distance. His salary was £330 per annum, and an unpretentious house, his perquisites, perhaps, making up his income to £400. In his yard was a good bath-house and offices, and an enclosure with a couple of wild deer, caught and kept for his children.

At dinner I was introduced to Madame Kononovitch, who was considerably younger than her husband. They had married at Irkutsk, which to a Siberian is Paris. It was not greatly to be wondered at, therefore, if she found Kara somewhat dull. The society of the place was very limited. There were the families of the officers and the wives of a few gentle or noble prisoners, but these latter of course could be received into the colonel's house only with a certain amount of reserve. The servants were, I suppose, all of them exiles, but the dinner was well served. I remember nothing of the food, save that the colonel had made a successful effort to get me a plate of wild strawberries. The season (July 26th) was now late, and they were the last I ate in Siberia. Madame spoke French well, and, as their children were growing up, she and her husband were interested in their education, and made many inquiries concerning our methods of teaching in England. The colonel then requested me to send him some English books; and soon after dinner we started for the hospital, the orphanage, and one of the mines.

CHAPTER XXXVII.

THE CONVICT MINES OF KARA.

Gold-mines not underground.—Hours of labour.—Visit to a mine.—Punishments.—Branding abolished.—Miners marching off.—Statistics respecting runaways.—Women criminals at mines.—A new building for expected politicals.—Superannuated forçats.—The hospitals.—"Birching" and its effects.—Kara in 1859.—Improvements effected by Colonel Kononovitch.—A children's home.—Return to the gold-mine.—Comparison of Siberian and English convicts.—Distribution of books.

AS I had visited the mine of the Archangel Gabriel near Krasnoiarsk, I was in some measure prepared what to expect in the gold-mines of Kara. It was not easy, however, to get rid of a preconceived notion attaching to Siberian mines, that the convicts *must* be working underground, for I had entered the country with ideas such as those expressed by the author of "The Russians of To-day." *

But now that I have been to the convict gold-mines, I have, happily, no such horrors to relate. All the gold-mining is done aboveground. The season begins

* He says (p. 229): "They never see the light of day, but work and sleep all the year round in the depths of the earth, extracting silver or quicksilver under the eyes of taskmasters, who have orders not to spare them. Iron gates guarded by sentries close the lodes, or streets, at the bottom of the shafts, and the miners are railed off from one another in gangs of twenty. They sleep within recesses hewn out of the rock—very kennels—into which they must creep on all fours."

on the 15th February, and ends on the 15th November, and they work 13 hours a day, excepting certain hours for refreshment and rest. I suppose, however, both the length of the season and of their daily labour must be to some extent modified by the rigour of the frost and the duration of the light. During the three winter months the ground is frozen, and they are mostly unemployed.

The visiting of the mine at Kara was far from pleasant. It was like walking into a large gravel-pit, from 20 to 30 feet deep. In this pit 198 men were at work, some removing the roots, stones, and surface-earth, and others carting off the gold-bearing sand to the washing machine. The miners were surrounded with a cordon of armed sentries, as at Portland prison. A large number of the convicts had irons on their legs; this, however, was something special to a particular prison, and was inflicted for two months as a punishment for aiding and abetting the escape of four comrades.*

A certain measure of earth was allotted to the men as each day's labour. A released Pole, who had been at Kara, though he did not work in the mines, told me it was a 7-feet cube to three men. This he allowed to be less than the quantity worked by free labourers. He said these latter had the help of horses and were better fed, but there were 70 horses in the mine I visited at Kara, and the reader may judge, from what has been said, whether or not the miners' food was sufficient. So far, therefore, the Siberian convicts

* According to the law of 1857 (Article 569), it appears that irons are worn during the time a prisoner is in the lowest category (or during probation time), after which they are continued as follows: for one condemned for life, 8 years: from 15 to 20 years, 4 years: from 12 to 15 years, 2 years: from 6 to 8 years, 18 months; and from 4 to 6 years, 12 months.

at Kara did not appear to be worked harder than—I should think not so hard as—our own at Portland.

I asked what was done to them if they did not fulfil their tasks, and was told that they were punished first by privation, and, if that did not suffice, by corporal chastisement with rods. Kara, I heard subsequently, is one of three places in Siberia where the *troichatka* or "plète" is in use. The colonel described it as a whip with three ends, of which, for serious offences, any number up to 20 stripes might be given; but, he said, he rarely used it, cases of insubordination being usually met by seclusion, irons, less food, or delay of removal to a higher class, which last might mean, in some cases, the virtual prolongation of a sentence for a couple of years.

The branding of prisoners is no longer practised. There were two or three veterans at Kara, one of whom, at my request, was brought to me, and whose cheeks and forehead were marked with the letters K A T, an abbreviation of *Katorjnik*, a convict. This man had been marked in 1863, and the letters presented a tattooed appearance, though the operation of tattooing must be the more severe, since it is slowly done by hand, whereas, in the case of the prisoners, the brand was done by a kind of cupping instrument, or stamp, furnished with small points, which, on being tapped, pierced the skin. A liquid was then rubbed on, and so the convict was tattooed for life. I just missed seeing one of these instruments at Nikolaefsk, where it had been recently sold as a curiosity.

It was late in the afternoon when we reached the mine at Kara; and by the time we had looked round, and gone among the miners, the hour arrived for

leaving off work; the drum sounded, and the convicts formed in line, some of them shouldering tools, and what looked like stretchers for carrying loads of earth between two bearers. Their heavy tools were put in carts to be drawn by horses, and all marched under guard to their prison, five miles off. This walk, therefore, to and fro must in this instance be added to their day's labour; but I noticed that, when the convicts walked out of the mine, the free labourers continued working, and did so for some hours afterwards.

Before the miners started, their numbers were called, for prisoners sometimes attempt to remain in the mine all night for the purpose, it may be, of washing earth secretly to secure a little gold, or, more frequently, with a view to escape. If it be spring-time, a runaway may succeed, during the summer, in getting a long way off, and, as winter comes on, give himself up, be imprisoned as a vagrant or vagabond, and, the following spring, be fortunate enough, perchance, to make his escape again, and so get towards Europe. Sometimes they manage to obtain forged passports, and travel as free men. At other times the escaped gather in bands, and roam about the country. It is, in fact, by no means uncommon to meet escaped prisoners on the roads, but they are not spoken of as malicious. They are not like banditti. They will sometimes steal a chest of tea from the hindmost vehicle of a caravan, or, indeed, run off with horse, cart, and all; but they do not usually attack travellers. The runaways beg food of the peasantry, who, of course, by law, ought not to aid them; so they compromise matters by placing food on their window-sills at night, ostensibly with the charitable purpose of

helping passers-by in distress. They thus avoid conflict with the authorities, and do not anger the convicts, who might otherwise do them mischief, especially by setting the house on fire.

The half-liberty given to convicts after a period of good behaviour presents a loophole for escape, of which many hundreds avail themselves.* These escaped convicts are known as "*Brodiagi*," or "roaming gentry." They wander about, guided through the forests by marks left by the natives and preceding runaways. There are some places, it is said, where they can live without fear. M. Réclus goes so far as to say that sometimes the authorities, in times of difficulty, or when ordinary labourers fail, call in the help of "vagabonds," with the tacit understanding that they will not ask for their passports, whereupon hundreds emerge from the surrounding forests and present themselves for employment. I am not able to confirm this from my own experience as regards the authorities,

* The number of "forçats" who, living free, ran away from Kara and escaped the control of the authorities for 15 years preceding my visit, is as follows: 1864, 327; 1865, 448; 1866, 369; 1867, 402; 1868, 354; 1869, 266; 1870, 483; 1871, 326; 1872, 368; 1873, 585; 1874, 321; 1875, 242; 1876, 175; 1877, 256; 1878, 194.

Thus it will be seen that in 1869 there ran away a smaller number than in any preceding year, namely, 266, whereas in the following year, 1870, there ran away 483. This great difference was accounted for by the fact that up to 1869 the prisoners were under the "administration of the mines," and when they were passed over to the new administration of the Minister of the Interior, this at first gave much dissatisfaction. Again, in 1873, the number of escapes rose to the highest, namely, 585, during which year it appeared the quantity of provisions was lessened; whilst, on the other hand, in 1875, the number of escapes being so low, less than in any preceding year, namely, 175, was accounted for by there having been in that year a building committee, which gave wages to certain of the convicts for their work. Up to 1st July of the year of my visit, 155 had escaped.

but I met with a private firm who had in their employ several men without their "papers."

When marched out of the Kara mine, those in the higher category are free to go to their families. I saw, too, near the Cossack barracks, a dwelling in course of erection for those who were living half-free, but in which they were to sleep at night. Those in the lower category are taken to their respective prisons, and may sleep, if they choose, in summer from nine o'clock till five, and in winter from seven till seven.

I looked in at a prison, near the colonel's house, just before the men were going to rest. I do not remember that there were any lights, and the place was gloomy enough; but I suspect that it must be more so during the long nights of winter. At Tiumen I observed but one small candlestick in a room for 65 prisoners,—light enough to make the darkness visible. In this respect my testimony is of limited value, as my visits were paid by day, but I can readily believe Goryantchikoff's dismal description of the foul air and gloom of a Siberian prison by night. Whether the majority of prisoners, however, would wish for a constant and plentiful supply of oxygen I am not sure. They certainly do not provide for it in their own houses, any more than do some of the poorer classes in England.

I have said nothing yet of the female prisoners at the mines of Kara. Russian women look upon prison life from very different points of view. I met a lady in Petersburg who visited the female wards in the prisons, and she told me that on one occasion a woman, on being brought back to her cell for the fourth or fifth time, found the arrangement of its furniture

altered, whereupon she asked that her bed might be put "in the place where she always slept"; whilst another, a worthy old soul, on entering her cell, turned to the ikon and thanked God that her old age was so well provided for! This, of course, is very different from the picture of Siberian female prison life represented in "The Russians of To-day" (p. 230):—

"Women are employed in the mines as sifters, and get no better treatment than the men. Polish ladies by the dozen have been sent down to rot and die, while the St. Petersburg journals were declaring that they were living as free colonists; and, more recently, ladies connected with Nihilist conspiracies have been consigned to the mines in pursuance of a sentence of hard labour." I neither heard nor saw anything of women labouring *in* the mines, and one of my released exile informants, from Nertchinsk, says that it is not true that women work *in* the mines in getting the mineral. At Kara there were 154 female prisoners to more than 2,000 men; and since the latter have a clean shirt every week, it would seem likely that the women may be employed in laundries and work-rooms, only that I am under the impression the prisoners wash their own linen. Five out of every six of the women convicts at Kara, dismal to relate, were murderesses, and walking between 58 of them in their prison at Ust-Kara was not pleasant. Some had babies, and most of the mothers had murdered their husbands. Husband-murder seemed to me painfully frequent in Russia, for which, in the fifteenth century, they had a barbarous punishment: the murderess was buried alive up to the neck, and left to the hungry dogs!

Near this women's department was a new cellular

building of wood, recently erected. I notice this particularly because of its bearing upon the number of political exiles that are supposed to be *imprisoned* in Siberia. The spring of 1879, it will be remembered, was a time of great excitement in Russia. An attempt was made upon the life of the Tsar, the great cities of the empire were placed under military command, and the journals talked of troops of prisoners being sent off to Siberia. And this was true, only they were not troops of *political* prisoners. A telegram, however, was sent from Petersburg to the telegraph office at Kara, enjoining the commandant to prepare places for a certain number of prisoners about to be dispatched. But the number prepared for was not very great after all, for, as far as I remember, it did not exceed 20 or 30 at most; so that if the convoys of 29 prisoners, whom my interpreter met in returning, were all destined for Kara, as he heard they were, then this small prison would be filled, and it might, in a sense, be called "a State prison." When, therefore, in a previous chapter, I ventured to say there was, with one exception, no prison in Siberia that could be called a political or State prison, this was the exception in my mind. *

Of course I entered this little prison and looked at the cells. They were ranged on either side of a roomy oblong space, in which were two stoves. The chief fault I had to find with the cells was that they were

* After leaving Kara I heard that the number of political prisoners to be transported there was considerably augmented; but I have it on good authority that even then the number expected did not exceed 60. The most recent information I have received, since the Emperor's assassination, goes on to say that as Nertchinsk was made the special place of deportation for the Poles after 1863, so Kara has been made the special place for Nihilists; but I have no official information to that effect.

very small, and lighted, I think, only from the lobby within, the area of each cell being certainly smaller than that of the cells in Coldbath Fields, though I am not sure that they were smaller than those at Portland, nor do I remember how they compared with ours for height. If, therefore, the prisoners were to work by day, as do ours at Portland, perhaps the cells at Kara were not too small. For my own part, I would rather inhabit one of them in solitude by night than be turned in among the motley crew of the larger prisons.

There were convicts at Ust-Kara, however, in a plight more pitiable than those confined in the political cells, or who had to work in the mines. I allude to the occupants of two or three wards in an old weather-beaten, smoke-dried, low-pitched building, in which were confined a number of old men, perhaps from 30 to 50 in number, who were not ill in such sense as to be patients in the hospital, but who were condemned to prison for life, or who, though too old to work, had not served their time.

I do not remember any sight in Siberia that so touched me as this. To see scores of able-bodied men pent up in wards with nothing to do was bad, to hear the clanking of their chains was worse, though many of them were burly fellows who could carry them well. More touching still were the convoys of exiles with faithful and innocent women following their husbands; but to see these old men thus waiting for death was a most melancholy picture. The doctor inspects the convicts once a month, and determines upon those who are past work, who, in the absence of any specific disease, are then brought into these wards for the remainder of their lives. To release them, the colonel

pointed out, would be no charity, because, being too old to work, and being out of the near range of poor-houses or similar institutions, they would simply starve. And thus they were left in confinement for a Higher Power to set them free. They lounged in the prison and in the yard, and some sat near a fire, though it was a sunny day in July. One old man was pointed out who had attained to fourscore years, and another had reached the age of ninety, and so on. The difficult breathing of one, however, the wheezing lungs of a second, and the hacking cough of a third, proclaimed in prophetic tones that their time was short; and one wished them a softer pillow for a dying head than a convict's shelf in a prison ward. Their building was one of the oldest in the place, and was doomed to be pulled down within a month.

There were two hospitals at Kara; one near the house of the commandant, at Middle Kara, containing, at the time of my visit, 43 patients; and the other at Ust-Kara, with 93 patients.* By the time the exiles have reached Kara they have trudged nearly 1,000 miles, and have been lodged, after leaving Moscow, in about 200 étapes and prisons. Many, of course, die on the route, but I have no official statistics upon this point. A released exile told me that, as far as he

* This gave a sick-list of 136 to a population of upwards of 2,000 exiles and 1,000 Cossacks; besides, I suppose, the surrounding peasants. The number of convicts who died in the Kara hospitals from 1872 was as follows:—

1872	1873	1874	1875	1876	1877	1878
108	287	152	55	118	117	90,

and the number for 1879, up to the 1st July, was 65.

At Tiumen the number on the sick-list was 19 out of 1,113 prisoners on the day of our visit. The number of sick prisoners, out of 20,711 passing through Tiumen in 1878, was 1,562, of whom 1,246 were cured, 280 died, and 44 remained in hospital.

remembered, it was in his day about 16 per cent. With the survivors the fatigue of the march, together with deficiencies or irregularities of nourishment, and the bad atmosphere in some of the prisons, often induces scorbutus or scurvy. The colonel said that with bathing twice a day, and with good food, they are soon cured; and, though many arrive sick in April, they are commonly well before autumn. In winter they have fewer patients generally, and commonly no cases of scorbutus at all.

We visited the hospital at Middle Kara on the Saturday afternoon. It was a fine building, with large, lofty, and airy rooms, which were clean, and decked with boughs of birch and coniferous trees, placed in the corners, not merely for ornament, but with the idea that the odour given off by them is salubrious. I saw the same thing on a large scale in the prison hospital at Tomsk; and upon my asking in one of the prisons at Ust-Kara why a large branch of cypress was placed there, they said it was for the sake of the smell.

In the Siberian hospitals, at the head of every bed, was hung a board, with the occupant's name written in Russian, and the name of the disease, written in Roman letters, in Latin; and as this was the only part of the writing I could read, I used generally to run my eye over the diseases in the wards. A remark made thereon caused the doctors sometimes to ask if I had studied medicine, which unfortunately I had not. Hence I was nonplussed at the word "costegcetis," written over a man's bed, and of which I asked an explanation; whereupon I was told that the man, who had been a ringleader in aiding the recent escape of the runaways, had been birched with 100 stripes of the rod, and that

he was consequently in hospital for recovery. Whether the effects of a birching are very serious I do not clearly make out, but I met at least two cases in which the recipients of the rod made fun of it. One was that of a servant in a house where I stayed. She was a convict, and therefore liable, in case of misconduct, to be sent by her mistress to the police to be birched, as in bygone days had been more than once done with her; but she did not fear the switches, saying they would not *kill* her: "they did indeed make one a little sore, but that was of no consequence!"

I saw only one suffering in this way at Kara; and the colonel told me, as already stated, that though he rarely used the whip, yet that he did not choose to be trifled with. It was manifest that he could not maintain discipline among 2,000 convicts if he did, yet I met with no prison official in Siberia who seemed so judiciously to line with velvet the glove of steel as did Colonel Kononovitch. The whole place bore about it marks of the superintendence of a man who conscientiously acted from a high sense of duty.

I have already mentioned what an unenviable reputation Kara had in former days. An old sea captain, with whom I stayed, told me he paid a visit to Kara in 1859, when there were 2,000 men branded, and chained to their barrows by night and by day. The overseer of the gold-mines, a German, told him that he had shot four men who had killed others when at work; and I have heard, since my return, that some of the predecessors of Colonel Kononovitch were so cruel that the mention of their names made convicts tremble. It is not, then, greatly to be wondered at that this evil reputation has descended to later days.

But Colonel Kononovitch had effected great improvements. It has already been pointed out that many of the Siberian prisons were old and dilapidated, but that reforms were expected yearly to take place; and, there being no money forthcoming, things were allowed to go on as best they could. It was under this condition of affairs that the colonel was appointed to Kara, with its crazy buildings, some of which had been pulled down only a few days before my arrival. I saw one or two that were yet standing. Of course he applied for funds to meet the expenses of new buildings so urgently needed, but received only the stock answer with a polite bow that there were insufficient funds, and that they could not expend money on prisons whilst waiting for reforms; whereupon the average Siberian official might have allowed things to drift; but not so the colonel! The reforms he knew had been talked of for 15 years, and he commenced a number of "economies," by which, if money were not forthcoming from one quarter, it might be obtained from another.*

In this way he might quietly have pocketed £1,200 a year, and if in Russian fashion he had handed round

* Thus the Government allowed him 4*s.* 6*d.* per sajen for 8,000 sajens of wood for fuel, which, instead of buying, he procured by sending his unemployed miners into the forest to cut, giving them, to their great satisfaction, a small payment, and effecting a saving of 1*s.* per sajen. A year's economy, therefore, in wood brought him £400. He found, too, by being his own timber-merchant, he could procure a log from 20 ft. to 30 ft. long for 7½*d.*, for which dealers would have made him pay 2*s.* Then, again, the Government allowed him 7½*d.* per pood for 7,000 poods of hay, instead of buying which he sent his prisoners into the neighbouring valleys to cut three times the normal quantity. Part of this was for feeding the horses he had already, and the rest for feeding others he added in order that he might be his own carrier, and so save the contract for carriage.

hush money, all might probably have been smooth enough. But so did not the colonel, and he pointed out some of the improvements he had been able to effect by these economies.*

The subordinate officials at Kara are very scantily paid, the chief of each prison receiving £70 a year, and his inferior officer £24. When at Tomsk, we heard of prison officials still lower, under each of whom were placed 30 prisoners, but who received only £6 a year and their food and accommodation, which were similar to those of the prisoners. It is not, therefore, greatly to be wondered at if these petty officers are not above misappropriating some of the prisoners' food, or taking bribes. Colonel Kononovitch encouraged these men to engage in trade, or to keep horses, in which case he employed them in carrying or other ways, so long as they did not rob the prisoners.

But other substantial good was effected; for during the previous two years and a half the colonel, chiefly, I understood, by his economies, had erected no less than 18 buildings, for which the governor of the province complimented him highly.†

The colonel, moreover, did not spend his savings wholly on prisoners, or restrict his efforts to what

* He paid each of the convicts, as perquisites, 4*d.* per sajen for the wood they cut, increased their allowance, and if, at the end of a job, all had gone well, he gave them each 1½*d.* a day extra. This helped the poor fellows to get sundry little extras, especially tobacco, which was encouraged; for the colonel, though he did not smoke himself, yet had imbibed the notion that it was good for the health of the prisoners.

† I understood at the time that these buildings had been erected entirely out of savings; but I have since been told that, from 1877 to 1879 there was granted, for the erection of prisons in Nertchinsk, the sum of £17,500, a part of which was destined for Kara.

might be strictly called his duty. He exceeded that, and allowed his justice to enlarge into benevolence. After seeing the hospital he took me to a children's home which he had built for boys whose fathers were in prison.*

The building was simple, but prettily situated within an enclosure, where was the best kitchen-garden I had seen in Siberia. In a green-house and a hot-house were growing melons, and I know not what. These the colonel said he sold for the good of the concern, and the money obtained for vegetables helped to pay the expenses of the school. The schoolmaster was an exile, and had been, I suspect, of good position from what I heard about him after I had left the place. The children were assembled for me to see, and I was tempted to act the schoolmaster and put to them some questions, but it was under difficulties of a polyglot character; and by the time my ideas had filtered twice through Russian, French, and English, the children's answers were not very clear. Everything looked clean and orderly, and, what was better, there were about the place tokens of care and sympathy. Behind the house was a natural shrubbery, enclosed from the forest. In this a pavilion was erected, in which, from time to time, the commandant brought his wife and family to drink tea with the children, when the boys who had sisters in the colony might meet them, and where the humanizing influence of kindness was allowed to flow forth.

* The house had cost £200; and he informed me that for another £100 he could put up a house for girls, of whom there were 20 about the place, whose fathers were prisoners. About £4 10*s.* per year was allowed by Government for each child, and to educate, clothe, and care for them as the colonel was doing costs about £5 a year extra for each; and this money he raised, I understood, among his friends.

By the time we had seen the school the day was far spent, and I was desirous to return to the mine to witness the final washing of the sand. During the day there had been worked (I presume by convicts and freemen together) 30 sajens, or, as they put it, 30,000 poods of sand. The produce of the first half of the day had been taken out of the machine; and after the convicts had left the mine, a few workmen remained washing the sand, in which at length the gold was found together with black dust of iron.*

The number of men who had stayed for the last of the washing was less than a dozen, and there was a certain gravity manifested by the little group as they took their places round the wooden apron on which was pushed up and down the few handfuls of mineral that remained of 240 tons that had passed through the cylinder. Darkness came on, so that they had to light torches of pine. There stood the colonel, looking on with dignity. The Cossack, too, was there, with loaded rifle, to protect the gold. The wooden scraper pushed away at the sand, and then the brush, and there was left only the gold and iron, less than half a pint.

* The Government determines how much gold is to be washed in the season. In 1878 it was 25 poods, or 900 lbs. They told me that the average they were finding for the season of 1879 was ¾ of a zolotnik of gold to every 100 poods of sand, and that none of the mines about Kara yield more than one zolotnik to the 100 poods; also that the strata of gold sand are never more than seven feet, but usually less in thickness. I have already stated in an earlier chapter, only in different figures, that whilst 5 zolotniks to the 100 poods is considered good, 1 zolotnik to the same quantity is poor. Hence it is apparent that no private company would work the mines of Kara, and the Government do so only to provide penal employment at a reduced cost to the State. There are at Kara certain mines spoken of as belonging to the Emperor's private purse. When the convicts work in these, the Minister of the Interior is paid for their labour according to the amount of work they do. This I understood to be an economical arrangement in favour of the Emperor.

This was put in the miniature frying-pan, dried over an extempore fire, and then placed in a tin can. It was given into my hand that I might feel its weight, which I judged to be about a pound, and, if so, worth £40. The can was then given to the Cossack, who mounted his horse, and, accompanied by an escort, took it off to the treasury.

And thus ended the day. That the men who worked in the mines had no easy task was plain, but it was equally plain that their labour, as compared with that of an English navvy or convict, was nothing extraordinary. The tread-wheel is unknown to them. Foreigners speak with horror of Siberian punishments, to which, as a set-off, I may mention that a Russian lady asked me, with a shudder, whether it could possibly be true that in England we placed prisoners on a wheel, on which, if they did not continue to step, it broke their legs! Comparing Siberian convicts with English,* the Siberian has the advantage in more food (which perhaps the climate may require), more intercourse with his fellows, and far more permissions to receive visits from his family. The Kara convict, when in the

* Unfortunately my Siberian statistics are not sufficiently complete to allow a comparison between the *numbers* of English and Russian convicts. "O. K." points out that since 1860, out of a population of 84,000,000, Russia has had on an average 20,000 criminals a year; whilst England and Wales, out of little more than a quarter of that population, has annually 12,000 criminal convictions. I am afraid that it is not satisfactory to *compare* these figures, because the 20,000 Russian criminals does not include, I presume, those left in prisons west of the Urals, but only those sent to Siberia; and, again, 12,000 does not nearly cover the total number of criminals in England and Wales. In the borough and county jails of England and Wales there was, in 1878, a daily average of 19,818 prisoners, besides 10,208 in convict prisons. I think, however, I am right in estimating that there is not a daily average of 10,000 convicts in the *prisons* of Siberia.

higher category, receives besides 15 per cent. of what he earns for the Government; and even in the lower category he is credited with the money, though its payment is deferred till he mounts higher. Political prisoners also may write to their friends; and though by strict right, I believe, criminals in Siberia cannot do so, yet this rule is not carried out, or is as often honoured in the breach as in the observance.

The following day was Sunday, and happened to be the colonel's name's-day. This kept him at home for the morning to receive visitors. A telegram came to felicitate him from Madame's father, from Ekaterineburg, a distance of 3,000 miles, taking 30 hours in transit. As the visitors did not speak French, I was not introduced, and had a comparatively quiet time to arrange and digest the information I had received. Later, I unfolded to the colonel my plan of distributing the Scriptures throughout Siberia. With this work he sympathized heartily, and promised to do what I wished. He subsequently received a lion's share of the books, etc., I left with the governor of the province. I gave him some for the children's home, and afterwards sent him a considerable number for his soldiers. All these reached Kara safely, and I have since had the great satisfaction of hearing that they were properly distributed throughout the colony. According to my latest news, the colonel is said to have left Kara; and if this be so, I can only hope that he has been replaced by as good a man.

CHAPTER XXXVIII.

THE SHILKA.

Departure from Kara.—Parting hospitality.—Ust-Kara police-master.—Head waters of the Shilka.—Collins's descent of Ingoda.—The Onon.—Formation of Shilka.—Scenery below Stretinsk.—Shilkinsk.—Hospitality of police-master.—Non-arrival of steamer.—Efforts at conversation.—Steaming down the river.—Shilka scenery.—Tributaries from north and south.—Arrival at confluence of Shilka and Argun.

MY steamer was due at Ust-Kara on Sunday evening. It was arranged, therefore, that my host should drive me to the river and see me off; or, if the steamer did not come, then leave me to wait its arrival in the house of the police-master. The colonel was pleased to say that he regretted my departure. He seldom received visits of the kind I had paid, which naturally had been more pleasant, he said, than inspection visits of officials. He alluded, however, to a visit to Kara of the Grand Duke Alexei-Alexeivitch as having done much good, and he was desirous of gathering all the information he could respecting our treatment of criminals in England.

The colonel's farewell did not end in words, for, like a true Russian, he made ample provision for his parting guest. Some Tunguses had passed a few days previously, of whom he had bought a box, of native manufacture, both curious and useful, and this he proceeded to fill for me with the good things of Kara.

These included roast chickens and a piece of boiled ham. Preserves, too, my host had discovered that I liked, and I must therefore take some pots of jam recently made. Did I like cheese? Well—at home, half a pound would suffice me for a twelvemonth; but in Siberia, where good butter was scarce, and a cheese cost ten shillings, I had learned to regard it as a delicacy. The colonel therefore insisted on my taking the greater part of a Dutch bowler, and he regretted that he could not offer me the only piece he had of what looked like Cheddar, because he was expecting a visit from his Excellency the Governor of the province, and wanted a delicacy to set before him. The extreme kindness with which this was done was almost embarrassing. In England it would appear strange, but in the district of the Amur these were presents not to be despised, for some of them I could have otherwise obtained neither for love nor money.

At last we set out duly laden, intending to call on our way at the prisons I had not yet seen. Packing, however, had taken rather long; and when we came to the first prison, where the officer was standing ready to receive us, I was afraid we should not have time, and that our staying might involve the missing of the steamer. I therefore begged that we might push on, which we did, to Ust-Kara. Here I looked over various buildings, which have been already referred to, as the summer hospital, with 93 patients, the women's wards, and the wards for the old and superannuated men, also the new cellular prison for politicals, and a prison in which they manufacture various requisites for the use of the convicts. In this last, five men wished to sing to us a piece of Church music, which

they did, and thus ended my visits to five of the six prisons of Kara. Evening was now drawing on, and as the boat had not come, I was consigned to the care of the police-master, and bade adieu to Colonel Kononovitch with feelings of regret.

From Ust-Kara the steamer was to bear me to the Amur. This will be a convenient place, therefore, from which to say something further about the head waters of that river, namely, of the Ingoda and Onon, which form the Shilka; and the Argun, which, with the Shilka, forms the Amur.

The Argun, Onon, and Ingoda all rise in the Kentai (or Khangai) and Yablonoi mountains. From the summit of this latter range the traveller approaching Chita from the west first sees the Ingoda at the foot of the range. From Chita to Stretinsk the journey can be made by water, and Mr. Collins, the first American traveller in this region, in 1858, so accomplished it.* On the fourth day he passed the river Onon, coming in from the south. This stream rises in the same district, but somewhat further south than the Ingoda, and in its upper course its banks are wooded. It is navigable all the summer.

* The Russians at that time were engaged in the annexation of the Amur territory, and the Governor, General Korsakoff, willingly lent him aid. He embarked at Atalan, about eight miles below Chita, in a flat-bottomed barge. Here the river is 200 yards wide, and the shores are well timbered and mountainous. The river proved easy to navigate, and Mr. Collins, his provisions, and 18 persons proceeded down the stream at the rate of nearly five miles an hour. The country on the third day became more open, with extensive high-rolling prairies, and the banks of the stream afforded much beautiful scenery. On the 21st May the forests were still leafless, though flowers were making their appearance, and the willows were budding. The rocks of the river are in many parts covered with mosses and a beautiful fern, and in sheltered spots appears in summer the rhubarb plant.

By the union of the Ingoda with the Onon is formed the Shilka, and at the junction the two rivers have each run a course of some 400 miles. The stream now increases in breadth and slightly in depth, so that, when not frozen, the river can be navigated at all seasons in small boats, though with some risk from the numerous sandbanks and rapids. About 40 miles below the Onon, the Nertcha enters from the north, and here stands the old city of Nertchinsk, not far from which the floating traveller passes the monastery of Nertchinsky, and subsequently arrives at Stretinsk.

It was from this spot I commenced the descent of the Shilka with my Cossack attendant. As we glided along, hour after hour, the shifting scenes reminded one of some grand spectacle in a fairy tale, for bend after bend, and point after point, opened to view landscapes and vistas of surpassing beauty. Now and then we had to beware of rapids, and in one place of a sunken rock called the "Devil's Elbow." The depth sufficed for our boat, but we met a steamer coming up stream, whose captain had a hard task to find and keep the channel.

Between Stretinsk and Shilkinsk the left bank is fairly populated, most of the necessaries of life are easily attainable, and fish and game are abundant. Granite predominates on both banks of the river as far as the third station, Botti, beyond which limestone prevails. The cliffs become lofty, some of them about 1,000 feet, and their summits are riven into numerous picturesque turrets, while beneath are openings leading into caverns. A few miles further the valley of the Shilka opens out, and the rocks recede for a considerable distance till they reach the valley of Tchal-

bu-tchenskoi, down the centre of which flows the river Tchal-bu-tche.

On the space formed by the receding rocks stands Shilkinskoi Zavod, a town stretching two miles along the river on a plateau 30 feet high. This was the seat of an old convict silver-mining establishment, the working of which has ceased long since.* The river here has a breadth of 600 yards, with a current of four knots, and in the spring a depth of seven feet on the shallows, but in the summer and autumn the depth is much less.

On the second day we came in sight of a large house on the left bank, where I landed, thinking perhaps to find some one to speak to. At the various stations I had given tracts, and, in a small way, found a ready sale for New Testaments. I offered the same at this large house, which proved to be that of a doctor, but he was not at home. His wife was in the house, but we had no language in common, and therefore my sale had to be conducted here, as at the post-houses, by dumb motions, one question about the hour being put and answered, I remember, by drawing a clock and marking the hands. Ten miles further was Ust-Kara,

* At Shilkinsk were built several of the barges for the first great expedition on the Amur in 1854, and here the expedition was fitted out with military stores and other necessaries. The Government had, too, in the place a glass factory and a very large tan-yard, but I have a suspicion that these factories were much more important in the days when Messrs. Atkinson, Collins, and Ravenstein wrote, than a quarter of a century later, at the time of my visit. Up to this point at least I could hear of no factories in Siberia, other than those I have mentioned. At Ekaterineburg there was a paper-mill, belonging to Mr. Yates, at whose house I dined; and there were the soap and candle works, near which I stayed, and where, through difficulty of getting a sufficiency of fuel, they were burning wood and rubbish, and with the gas produced therefrom, through a two-feet tube, were heating some of the boilers.

whence I digressed into a description of the head-waters of the Amur.

After bidding adieu to Colonel Kononovitch, on Sunday evening the 27th July, I was waiting in the house of the police-master for the arrival of the steamer. This worthy official was several degrees lower in position and intelligence than my late host, but he had a good house, and spared no pains to make me comfortable. He was living bachelor fashion, his wife and daughters having gone on a tour to Irkutsk. This he regretted, and so did I, for I was given to understand that they spoke French; and it was not particularly lively to be in a house in which you could speak a word to no one, especially with a host who would insist upon talking, whether you understood or not. One hour passed by, and two, and three, and the expected whistle was not heard, till, night having fairly set in, my host made me understand that the steamer had run aground.

It seemed best, therefore, to go to bed, hoping for its appearance in the morning. A bed was made for me on the floor of the best room in the house, but no washing apparatus provided. The maid was to be called in the morning to do the part of a Levite, and pour water on my hands. I was not, however, to retire supperless, and whilst food was being prepared the police-master begged me to try his piano. Accordingly, I strummed three tunes, which represent my stock-in-trade in this department, and my host nodded satisfaction. At supper he rattled away, and it was in vain that I shook my head and replied, "*Ne govoriu po Russki*" (I do not speak Russ). He returned to the charge afresh, until I was glad to retire.

Morning came, but not the steamer, and after breakfast I was writing, when it occurred to me that if the steamer were aground, it might be days or even weeks before it arrived, and at last I thought it desirable to inquire for particulars. A military officer came in, but I could extract from him no language I knew. Presently, however, the police-master brought a piece of paper that gave me hope. It was a polyglot letter to this effect: "Respected Sir, I should be glad to be allowed to teach your children French, which language I know. Your obedient servant, So-and-So." And this was written in Russian, French, German, and English, and, as a finale, was added, "Sic transit gloria mundi." I saw at once there was a genius in the place,—perhaps a released exile, or the wife of one, and I requested my host by signs to bring us together at once. But I think the said genius must have been away, for the police-master was holding a discussion with the officer as if there were some difficulty in the matter, when, as they were talking, the steamer's whistle was heard.

The effect was magical. I rushed to make ready. The carriage was before the door in a very few minutes, and the police-master, who was expecting his family by the boat, was speedily with me, my baggage on the vehicle, and we dashed off to the station. Here I was introduced to the wife and family, and also to a lady who I fancy was the authoress of the polyglot paper,* after which I embarked.

The weather was beautiful, and we steamed down

* "Une sage femme," she called herself, who had been acting in her capacity as midwife, and had returned by the boat. Women alone, I understand, act in this capacity in Russia,—a doctor being called in only in case of difficulty.

the lovely Shilka 150 miles to its junction with the Argun. The first station beyond Ust-Kara was Ust-Chorney. Here the Chorney, or Black river, falls into the Shilka by two channels. This river is so rapid, and sometimes so violent, as to dash the passing boat or raft a wreck against the opposite rock-bound shore. Further on the scenery changes on the south side. Perpendicular cliffs of limestone appear with groups of birch and larch on their tops, and in the small ravines. Over these rounded summits appear, and a long chain of hills stretches southwards towards the Argun.

The next station is Gorbitza, near the mouth of the Gorbitza river. Until 1854 this was the boundary of the Russian and Chinese empires. At Bogdoi, not far distant, is a mineral spring where annually a fair was held, at which a few Russian merchants and Cossacks used to assemble to meet the Manchu who came to barter. The Manchu ascended the Amur from Aigun in large boats, bringing printed cotton goods, silk, tobacco, and Chinese brandy, which they exchanged for glassware, soap, and deer-horns.

Below Gorbitza the river enters a region where the cliffs rise considerably higher than in the limestone. Here granite is heaved up in huge masses, which time, frost, and sun have riven and shattered into curious forms. Ravines are also rent far into the mountains, and down them clear streams descend. A little further on the shores become wooded, pine-trees grow along the banks, and on the upper slopes are black and white birches, with occasional clumps of larch, while the dwarf elm grows from the clefts in the rocks.

Mineral springs are frequently met with on the banks of the Shilka. To some the natives resort. Further down are several islands, upon one of which, named "Sable" island, are pine, larch, and birch. At the river Bankova, having its source in the mining district near the Argun, and falling into the Shilka from the south, there is another place where a fair was held by the Cossacks of the Argun and the Tunguses of the Yablonoi, the latter bringing skins, deer-horns, and a few sable and fox skins. These they bartered with the Cossacks for flour, *vodka*, powder, and lead. Further on, and not far from the confluence of the Shilka and Argun, the Son-ghe-noi enters the Shilka to the south, and at a short distance is a lake from which the natives and Cossacks obtain their supplies of salt. A few miles below Son-ghe-noi are two islands in the Shilka, and a little beyond these the sandstone rocks rise abruptly in picturesque forms from the water. The rocks recede to the southward, and a small delta has formed extending to the mouth of the Argun. Near it is the village of Ust-Strelka,* or Arrow mouth, situated at the junction of the two rivers which form the Amur, and here I arrived on Wednesday evening, the 30th of July.

* Here the Shilka ends its course of 700 miles, and is joined by the Argun, after a course of 1,000 miles. The Argun proper rises among the Nertchinsk ore mountains, at an elevation of from 2,000 to 3,000 feet, and very near to the source of the Onon, the two streams running down the northern and southern slopes respectively of the mountain-range. The upper part of the Argun, however, rises as the Kerulen to the south-east of Kiakhta, in the Kentai (or Khangai) mountains. For 550 miles the Kerulen traverses one of the most inhospitable tracts of the Gobi. It then runs through the Dalai Nor or Lake, and flows into the Argun proper, by which name the lower course of the river is known; and then, after flowing 420 miles further, it joins the Shilka at Ust-Strelka.

CHAPTER XXXIX.

THE HISTORY OF THE AMUR.

Divisible into three periods.—Period of Cossack plunder.—Poyarkof.—Khabarof.—Stepanof.—Discovery and occupation of Shilka.—Chernigovsky.—Period of conflict with Chinese.—Russo-Chinese treaty of 1686.—Russian mission at Peking.—Affairs on the Amur during Russian exclusion.—Third historic period from 1847.—Preparatory operations on Lower Amur.—Muravieff's descent of the river, 1854.—Influence of the Crimean war.—Colonization of Lower Amur.—Further colonization, 1857.—Chinese protests.—Influence of Anglo-Chinese war.—The Sea Coast erected into a Russian province.—Renewed difficulties with China.—Treaty of 1860.—Review of Russian occupation.

THE history of the Amur, or so much of it as need here be mentioned in connection with the Russians, may be divided into three periods. We have first the period of Cossack pillage and plunder of the native tribes, beginning in 1636, and extending over a period of 50 years to 1682. This was followed in 1683 by a period of warfare with China, lasting for half-a-dozen years, and succeeded by uninterrupted Chinese possession for (roughly) 150 years, to 1848; after which comes the period of Russian annexation, beginning in 1848, completed in 1860, and continuing to the present day.*

I have already stated that, within about 20 years after the founding of Yeneseisk, the Russians pushed on their

* I am specially indebted to Mr. Ravenstein's excellent work, "The Russians on the Amur," for the substance of the following pages.

conquests to the Sea of Okhotsk, on the shores of which, in 1639, they built a winter station for the collection of tribute. It was here first they heard from the Tunguses of tribes to the south, dwelling along the Zeya and Shilka.*

These reports attracted attention in Yakutsk, and an expedition of 132 men, most of them *promyshlenie*, was placed under Poyarkof, who left Yakutsk in 1643, ascended the river Aldan, and built winter quarters for 40 of his men, and stores, in the mountains. Pushing on himself with 92 men, he crossed the Stanovoi range, and, after suffering great hardships, reached the head waters of the Zeya, where he met the first reindeer Tunguses. Further on he came to a Daurian village, in which he was kindly received, but his extortionate conduct provoked the natives to hostility; and one of his officers, having attacked a village and been repulsed, Poyarkof, with the loss of many Cossacks through hunger, retired down the Zeya, descended the Amur to its mouth, and, crossing the Sea of Okhotsk, reached Yakutsk in 1646.

The next prominent traveller was Khabarof, from 1647 to 1652. A shorter route to the river had been heard of by way of the Olekma; and Khabarof, at the head of a band of adventurers, took this route to the Upper Amur. The natives, having heard of the conduct of Poyarkof, fled before the Russians; and Khabarof marched on, slaughtering his opponents, or putting them to flight. Strengthened by reinforcements, he

* This report, so far as the Shilka is concerned, was confirmed in the same year by what a party of Cossacks heard, who had been sent from Yeneseisk to the Vitim, about a prince of the Daurians named Lavkai, who inhabited a stronghold at the mouth of the Urka rivulet, and whose people kept cattle and tilled the soil.

descended the river to the Lower Amur, wintered at Achansk (which no longer exists), and was vainly attacked by the natives and the Manchu. In the following spring he turned back, and ascended the river to the Zeya, where some of his men mutinied. He sent messengers to Yakutsk asking for 6,000 men, and, there being no such force in Siberia, the *voivod* dispatched the messengers to Moscow, where the conquest of the Amur had been for some time under consideration. Khabarof returned in 1652, and thus ended the first nine years of Russian adventure on the Amur, during which some of the leaders had shown great perseverance; but the natives had been badly treated, exposed to all sorts of extortion, and their tilled lands reduced to deserts.

We come now to Stepanof (1652—1661). Reports of the excesses committed by the adventurers already mentioned had reached Moscow, and it was determined to send a force of 3,000 men to occupy the newly-explored territories. The command was given to Stepanof, and he was accompanied by hundreds of adventurers, who were attracted by the reported riches of the country. Stepanof was not able to carry out his instructions to found settlements, and spent his time in roving along the Amur and up the Sungari. At Kamarskoi he was besieged, in the spring of 1655 by a large Manchu force; but with a garrison of 500 men he put 10,000 foes to flight. Subsequently he was joined by Feodor Puschkin and 50 Cossacks, by whom he sent the tribute he had extorted to Moscow. Puschkin's party lost their way, and 41 of them perished. Stepanof continued his predatory expeditions till 1658, when, at the mouth of the Zeya, 180 of his men deserted,

and he was met by a Manchu force, and himself and nearly all his band slain or made prisoners. This for a time practically cleared the Amur of the Russians, and what few remained evacuated the district in 1661.

All the expeditions above mentioned reached the Amur from the north-west, striking the river some miles below the confluence of the Shilka, at what is now Ust-Strelka. We proceed to say a few words respecting the discovery and occupation of that tributary, 1652-58. Cossacks from Yeneseisk had pushed their explorations beyond the Baikal, and, in consequence of their reports, Pashkof the Voivod, in 1652, sent out a party to cross the lake, under command of Beketof, who, two years later, built a fort on the Nertcha; but the expedition came to nothing. Other adventurers went out in 1654 and 1655. At length Pashkof was entrusted with a force of 566 men to found a town on the Shilka, whence the surrounding territories might be subjugated. He left Yeneseisk in 1656, and on his way founded Nertchinsk. Whilst so doing, he sent a number of his men down the Amur to look for Stepanof, but they were met by his deserters, and robbed of their provisions, after which, in 1662, Pashkof returned to Yeneseisk, his mission unattained.

What Government troops had failed to effect, however, was soon after accomplished by a runaway exile —Nikitao Chernigovsky—who, at the head of a lawless band, murdered the Voivod of Ilimsk, and in 1665 fled to the banks of the Amur, where he built a fort on the site of Albaza's village, opposite the river Albazikha. He was joined by others as lawless as himself; villages were founded near the fort, and Albazin became a place of importance. A petition was forwarded to

Moscow, representing what had been done as done for the Tsar, and praying for Chernigovsky's pardon, in consideration of his recent services. It was granted; and Chernigovsky made tributary many of the surrounding tribes near Albazin. The Chinese complained of Russian encroachments, and conciliatory embassies proceeded to Peking, in 1670 and 1675. The people of Albazin, however, determined to do as they pleased, and, in spite of orders to the contrary, they navigated the Lower Amur, and founded settlements, so that at the close of 1682 the Russians had established themselves at Albazin, on the Zeya, and on the Amgun.

This finishes the first period in the history of the Amur—that of Cossack pillage and plunder.

The oppression of the Russians naturally caused the tribes on the Amur to apply for help to their neighbours and nominal masters, the Chinese, who made large preparations to expel the intruders. They destroyed the Russian settlements on the Zeya and Amgun, took some of the garrisons prisoners, and advanced upon Albazin in June 1685. After a blockade of 18 days the garrison surrendered, and were allowed to retire to Nertchinsk. The Chinese then destroyed the fort, and withdrew down the river to Aigun; but the Russians followed in the wake of their conquerors and rebuilt their town. The Chinese, therefore, returned in July of the following year, again surrounded the fort, where the Russians held out bravely till November, in which month the siege was raised, in consequence of orders from the Chinese Government, to whom the Russians had sent ambassadors desiring conditions of peace.

The ever-recurring complications with the Chinese made the Russian Government desirous to come to some arrangement regarding the frontier of the two empires. Venyukoff accordingly was sent on a mission to Peking to arrange preliminaries, and he brought back with him a letter in Chinese, Manchu, and Mongol, translated into Latin, which supplies a good idea of Chinese views on the Amur question.*

If this letter be anything like a true statement of the case, which there seems to be no just cause to doubt, then the moderation and forbearance of the

* It was dated 20th November, 1686, and ran in part thus: "The officers to whom I have entrusted the supervision of the sable hunt, have frequently complained of the injury which the people of Siberia do to our hunters on the Amur. My subjects have never provoked yours, nor done them any injury; yet the people at Albazin, armed with cannon, guns, and other firearms, have frequently attacked my people, who had no firearms, and were peaceably hunting.

"They also roved about the Lower Amur, and troubled and injured the small town of Genquen and other places. As soon as I heard of this I ordered my officers to take up arms, and act as occasion might require. They accordingly made prisoners some of the Russians who were roving about the Lower Amur; no one was put to death, but all were provided with food.

"When our people arrived before Albazin, and called upon it to surrender, Alexei and others, without deigning a reply, treated us in a hostile manner, and fired off muskets and cannon. We therefore took possession of Albazin by force; but even then we did not put any one to death. We liberated our prisoners, but more than 40 Russians, of their own free choice, preferred remaining amongst my people. The others were exhorted earnestly to return to their own side of the frontier, where they might hunt at pleasure. My officers, however, had scarcely left, when 460 Russians returned, rebuilt Albazin, killed our hunters, and laid waste their fields; thus compelling my officers to have recourse to arms again.

"Albazin consequently was beleagured a second time; but orders were nevertheless given to spare the prisoners and restore them to their own country. Since then, Venyukoff and others have arrived at Peking to announce the approach of an ambassador, and to propose a friendly conference to settle the boundary question, and induce the Chinese to raise the siege of Albazin. On this a courier was sent at once to Albazin to put a stop to further hostilities."

Chinese stands out in striking contrast to the conduct of the Russians. I have described (Chapter XXXV.) how the conference was conducted, and how it ended in a treaty, by which Albazin and the whole of the Amur were confirmed to the Chinese.*

This settlement practically closed the district to Europeans for about 160 years—that is, till 1848. A few encroaching hunters were from time to time caught and punished. Some convicts also escaped from the mines of Nertchinsk to Chinese territory, and others went down the whole length of the Amur, one of them getting away from Nikolaefsk to America; but very little is known of the Amur basin during these years, though Russia kept up the supply of priests who crossed the desert to sustain the Russian mission at Peking.

After the treaty of Nertchinsk, the town of Aigun was removed to the right or southern bank of the river, and in keeping with the jealous policy of exclusion peculiar to the celestials, the Chinese were forbidden to emigrate northward to the thinly-populated Manchuria, and the Manchu were forbidden to pass northward of the town of San-sin on the Sungari, whilst the privilege of trading on the Amur was restricted to ten merchants, who obtained for that purpose a licence at Peking. Besides these particulars of the Amur during

* The treaty began as follows :—"In order to suppress the insolence of certain scoundrels, who cross the frontier to hunt, plunder, and kill, and who give rise to much trouble and disturbance, to determine clearly and distinctly the boundaries between the empires of China and Russia, and lastly to re-establish peace and good understanding for the future, the following articles are by mutual consent agreed upon." After defining the boundaries, the treaty went on to provide that hunters of either empire should under no pretence cross the frontier. Also that neither party should receive fugitives or deserters; and the third article states, "Everything which has occurred hitherto is to be buried in eternal oblivion

the period of the Russian exclusion, we learn something from the letters of Roman Catholic missionaries in Manchuria, one of whom, M. De La Brunière, descended the Amur to the country of the Gilyaks, where he was killed. But I shall speak of this when I come to the people and place of his murder. This finishes our second period—that of war with China. It remains to treat of the recent history of the Amur, and of the annexation of all its left and part of its right bank by Russia. This will bring before us the events occurring between 1847 and 1861.

The recent history of the Amur may be said to date from the time that Count Nicolas Muravieff became Governor of Eastern Siberia in 1847. The Russians had long seen the desirability of acquiring the right of navigating the Amur, if only for the purpose of sending down it provisions for their settlements in Kamchatka, the land carriage of which annually required 14,000 to 15,000 pack-horses. With a view to this, they had sent Golovkin to Peking at the beginning of the present century to treat for the free navigation of the river, or, at all events, to gain permission to send a few ships once a year with provisions. But the Chinese were unwilling to make any concession whatever.

Muravieff became Governor of Eastern Siberia in 1848, and one of his first acts was to send an officer with four Cossacks down the Amur, who were never heard of again. Admiral Nevilskoi, in the same year, left Cronstadt for the Pacific to explore the mouth of the Amur; and, in 1851, founded Nikolaefsk and Mariinsk as trading ports. Two years later were founded Alexandrovsk, in Castries Bay; and other posts in the island of Sakhalin at Aniva Bay and Dui.

The next year, 1854-5, was important in the history of the Amur, as that in which the first Russian military expedition descended the river from the Trans-Baikal provinces. Russia had at the time three frigates in or near the Sea of Okhotsk, and, owing to the breaking out of the Crimean War and the presence of an English fleet in the Pacific, it was feared that these might be left in want of supplies, and that the Russian settlements on the Pacific, which at that time depended on shipments from home, might be seriously straitened. The Black Sea and the Baltic were blockaded, and the only feasible plan was to send provisions from Siberia down the Amur. The nearest Chinese authorities at Kiakhta and Urga professed themselves unable to give permission; but as no time was to be lost, Muravieff's necessity knew no law, and he started down the river.

He had a steamer, 50 barges, and numerous rafts, 1,000 men, and guns. Several men of science, to whom we owe much of the solid information given us by Mr. Ravenstein, accompanied him. His journey down the river to Mariinsk was uneventful, and he returned by way of Ayan to Irkutsk.

The continuation of hostilities between Russia and the English and French allies naturally made the Russians prepare for an attack on their eastern settlements,* and considerable activity was displayed by

* Their strength on the Amur at the time was very inconsiderable, and the allies, having mustered their forces on the American coast, came down upon a comparatively feeble folk in Siberia. Petropavlovsk in Kamchatka was attacked, but the Russians managed to hold their own till orders arrived from Petersburg to abandon the place, which they did on 17th April, 1855, taking with them the inhabitants, with whom they safely reached Castries Bay.

them on the Amur in 1855-6. Three more expeditions left Shilkinsk in the course of the year, and conveyed down the river 3,000 soldiers and 500 colonists, with cattle, horses, provisions, agricultural implements, and military stores.* Accordingly, the places founded on the river grew fast. Villages were built by the colonists at Irkutskoi, Bogorodskoi, and Mikhailovsk. Great progress also was visible at Nikolaefsk, which from a village of 10 houses grew to one of 150.

The operations of the allied fleets in the Pacific in 1855 were on a larger scale than in the preceding year; but the results were equally insignificant, and the peace of 1856 left the Russians free to carry on their plans of annexation. General Muravieff now went to Petersburg to advocate the granting of large means for colonizing the river, and during his absence the direction of affairs was left in the hands of General Korsakof.†

But the year 1857-8 will ever be one of the most memorable in the history of the river. Muravieff had succeeded at Petersburg in securing large grants of

* The Chinese were either unwilling or unable to oppose the passage. Up to this time no attempt had been made to found any settlement on the Upper or Middle Amur, and the presence of the allied fleets in the Pacific ostensibly justified the assembling of a force on the Lower Amur. The Chinese did send to Nikolaefsk certain mandarins to treat; but these not being of sufficient rank, Muravieff refused to receive them.

† In the course of the 12 months 697 barges and rafts descended the river, conveying 1,500 head of cattle, and the provisions required by the forces on the Lower Amur. Cossack stations were built on the Upper and Middle Amur, and another settlement made on the lower part of the river. Postal communication by horses was established between Nikolaefsk and Mariinsk, which until then had been carried on by dog sledges. The Russian colonists agreed to supply the necessary horses during winter at the rate of £22 a "pair," and during the summer they were to supply the steamers on the river with the requisite fuel.

men and money. Troops descended and formed numerous stations along the left bank, and colonists and provisions were conveyed to the possessions of the Russo-American Company. A Captain Furruhelm conducted down the river 100 emigrants and 1,000 tons of provisions, and with him travelled Mr. Collins, already referred to, as "commercial agent of the United States for the Amur river." Count Putiatin, also bound on a mission to Japan and China, availed himself of the newly-opened way. Putiatin received orders to induce the Chinese to come to some definite arrangement regarding the frontier of the Amur, but he was not successful. This result was felt on the river; for the mandarins now again protested against the occupation of the territory, and in some instances molested the Russian traders. Accordingly, Muravieft hastened to Petersburg for fresh reinforcements, and more troops were sent east; whilst the territory in dispute, together with Kamchatka and the coast of the Okhotsk Sea, was erected into a separate province, called "the Maritime province of Eastern Siberia." A squadron of seven screw steamers was dispatched from Cronstadt in the summer, and two European-built steamers, the *Lena* and the *Amur*, ascended the river with merchandise and troops.

When Muravieff got back to the Amur, in 1858, the Chinese were in a very different humour, for they were then at war with the English and French, and Russia found no difficulty in concluding an amicable treaty at Aigun on 28th of May. China ceded to Russia the left bank of the Amur down to the Ussuri, and both banks below that river, and opened the Sungari and Ussuri to Russian merchants and travellers.

On the 21st May, Muravieff laid the foundation of Blagovestchensk, at the mouth of the Zeya; he then descended the Amur, and founded Khabarofka, at the mouth of the Ussuri, and subsequently selected the site of Sophiisk; after which, in August, he was created "Count of the Amur." On the last day of the year this territory received a new organization, and was divided into the "Maritime province of Eastern Siberia," and the "Amur province," the latter denoting a district along the river, above the mouth of the Ussuri.*

We now come to 1859-60, during which time several measures were taken to favour colonization. Political exiles were to have passports granted them for three years, to enable them to proceed to the east; and if deserving, their term was to be extended permanently. The sailors stationed at the Lower Amur were allowed to retire after 15 years' service, received a plot of ground, and might send for their families to come to them at the Government expense. The colonists, too, were to be maintained by Government for two years, after which time they were to provide for themselves. Government also renounced its monopoly of the mineral treasures

* Admiral Kazakevich remained military governor of the Maritime province, and resided at Nikolaefsk; and General Busse was appointed military governor of the Amur, with a salary of £1000 a year, and a residence at Blagovestchensk. Shortly after the ukase of the 31st December, the Cossack forces on the Amur received a separate organization. Up to the end of 1858, 20,000 persons of both sexes had been settled along the river, and these were to furnish two regiments of cavalry and two battalions of infantry, as well as two battalions of Ussuri infantry from the Maritime province. Commercial enterprise was promised a fresh impulse by the foundation of the Amur Company, the object of which was the development of trade on the river. It started with a capital of £150,000, and was privileged to open establishments on the Amur and Shilka, but proved unsuccessful, and after a few years was dissolved.

of Siberia; and in future any one, except convicts, was to be allowed to search for precious stones or metals. This attracted many emigrants, and on the arrival from Western Siberia of 10,000 of them at Irkutsk, Cossack stations were founded along the banks of the Ussuri and the Sungacha, with a view to the settlement of the frontier.

Difficulties, however, with China again arose. The Chinese had repelled the advance of the allied French and English forces in 1859, and, being elated for the moment with the power of their arms, imagined that it was no longer necessary to conciliate the Russians, and told them that China had never ceded the Amur, that they had no right there, and must immediately quit. Things, therefore, looked gloomy towards the south;* but the relative positions of China and Russia were suddenly transposed by the successes of the English and French, who thoroughly humbled China; and Russia, availing herself of the opportunity, was able to conclude, on the 14th of November, 1860, a most advantageous treaty, much more comprehensive than any ever concluded by China with a foreign power, which gave Russia a right to the country north of the Amur and east of the Ussuri, together with the entire coast of Manchuria, down to the frontiers of Corea.

I have thus traced the history of the Amur from the

* The newly-acquired territory, moreover, was not fulfilling the anticipations of those who thought to find at once the country turned into the granary of Siberia, and supplying with its produce and manufactures the navies of the world. The Amur was a source of continual expenditure, and the Cossacks were not proving the best of colonists. To remedy this, German colonists had been sent for. My old host, with whom I stayed at Vladivostock, Captain De Vries, was to bring 40 German families from California, who were to be settled at the mouth of the Bureya; but, as he told me, he found the thing impracticable.

time that the Russians first heard of the river, in 1639, down to 1860, when they obtained possession of it.* It remains for me now to give the reader, as best I can, an idea of the condition of things as I found them at the time of my visit.

* At that date they had brought to the region about 40,000 colonists, most of them from the Trans-Baikal and Irkutsk governments, who walked with their cattle to the Shilka, and then proceeded on huge rafts, like floating farm-yards. The cattle were turned on shore to feed at night, and marched back in the morning to travel by day. By these means the banks of the river became populated, though scantily, this region covering an area of 361,000 square miles, or twice as large as that of Spain. The Russians, by 1861, had established military posts along the whole course of the Amur, on the Ussuri, and at various harbours on the sea-coast, the whole military force, up to 1859, being about 15,000 men. Simultaneously while strengthening her forces on the Amur, Russia reinforced her navy in the Pacific; and in 1860 she had there 19 steamers, mounting 380 guns, and manned by between 4,000 and 5,000 sailors and marines. There were also, in 1861, 12 steamers on the river, nine of which belonged to the Government.

CHAPTER XL.

THE UPPER AMUR.

Formation of the Amur.—Chinese boundary.—Our steamer.—Captain and passengers.—Natives of Upper Amur.—Oronchons.—Manyargs.—Their hunting year.—Our journey.—Run aground.—Table provisions.—Scenery.—Albazin.—Cliff of Tsagayan.

WE glided into the Amur about sunset on the 30th July, when, happening to come on deck, I found the passengers gazing over the stern of the vessel. Before us were the two rivers of which the Amur is formed. To the right was the defile of the Shilka, to the left the Argun; and between the streams the mountains narrowed, and came to a point a mile above the meeting of the waters. On the tongue of land below was the Russian village and Cossack post of Ust-Strelka. The soft light of evening threw a charm over the well-wooded landscape. We had, moreover, reached at last a point out of range of the ubiquitous English traveller, and to which even comparatively few Russians make their way from Europe. The Shilka we had travelled, and it was given to us to peep a little way up the Argun, and remember that in its valley the great Ghenghis Khan fought some of his early battles, and from hence started to subdue China, and begin that wonderful career of Mongol conquest that extended to Central Europe.

Looking to the north-east and down stream, the

view was exceedingly pretty. On the right, heavily-wooded mountains abut upon the river for two miles, while on the left is a strip of bottom-land backed by gentle slopes. To the front we see the river sparkling in the sun, and rejoicing in its new and beautiful birth.

We were now fairly launched upon a river which, including its numerous tributaries, is said to drain a territory of 766,000 square miles—an area as large, that is, as any three countries of Europe except Russia. The length of the stream from this point to the sea is 1,780 miles, with a fall of 2,000 feet; but if the Argun be regarded as the main stream, then the total length of the Amur is 3,066 miles, with a fall of 6,000 feet. It will be best, I think, to treat of so huge a river in sections, seeing it passes through such varieties of climate and population. The first section, extending from Ust-Strelka to Blagovestchensk, at the mouth of the Zeya, we will call the Upper Amur; from Blagovestchensk to Khabarofka, at the mouth of the Ussuri, the Middle Amur; and from Khabarofka to the Pacific at Nikolaefsk, the Lower Amur. The Russians have made a fine atlas, in 46 sheets, of the river below the confluence of the Shilka and Argun.

Up to the point we had now reached, Russian territory lay on both sides. Henceforth to Khabarofka we were to have Chinese soil on the right. The boundary then descends along the bank of the Ussuri, and continues in a tolerably straight line southwards through Lake Khanka to the Bay of Peter the Great, in the Sea of Japan. My intention was, therefore, roughly speaking, to keep along this boundary, and embark for Yokohama.

But I have said nothing as yet of the steamer in

which the first part of my journey was to be accomplished, namely, from Kara to Khabarofka, a distance of 1,270 miles. It was a paddle-boat called the *Zeya*. As I walked on board at Ust-Kara, Captain Paskevitch met me, told me in French that my cabin was not quite ready, and asked me to occupy meanwhile his room on deck. He had heard of my mission from Colonel Merkasin, at Stretinsk, and had most kindly set apart for me, on a full steamer, a first-class cabin intended for two persons. This he reserved so tenaciously as to refuse a first-class place to a passenger rather than cause inconvenience by giving me a companion, though I was asked to pay only a single fare.

As compared with the steamer on which I traversed the Obi, the *Zeya* was small, and it was not new. There were first and second-class cabins fore and aft, but third-class passengers lived on deck. All three grades were well represented. Among the first-class passengers was M. Kokcharoff, a Government officer connected with the gold-mines, whom we had met at Nertchinsk at dinner, and who was the father of one of the young officers we saw at Irkutsk. There were also an officer and his wife whom we had seen on the road at Verchne Udinsk. Among the second-class passengers were several naval and military officers, proceeding to their stations on the Pacific, and with them the lady and gentleman of whom we got the start with the horses from the Baikal. Several of the ladies spoke French, and a naval captain, Baron de Fitingoff, spoke a little English also. Thus I needed not to be silent, and soon found myself at home.

It speedily became manifest that our captain was a man of determination, and that he had a rough-and-

ready way of enforcing his orders. The cook, an oily-looking man, had smuggled *vodka* on board, and made himself so far drunk as to spoil the passengers' dinner; whereupon the captain seized him and tied him to the capstan. He had not been there long, however, before the capstan was required for some one else. The ship had got into difficulties, the number of the crew being insufficient for the occasion; and the captain ordered a man-of-war's-man, travelling as a third-class passenger, to lend a hand. He did not choose to do so, whereupon the captain collared him, and, having released the cook, bound him to the capstan. Our chief, I found, was only a young man—less than 25—and had served for a time in the Imperial navy. He had fallen in love, and wished to marry before the age allowed in the service. Just then the Amur Company made him a good offer to take charge of one of their vessels, and he had thus left the Government service, and accepted a stipend which enabled him to forsake a bachelor's life. He thought, however, that in giving up the navy he had made a mistake, and sent his papers by some of our passengers to be presented to the Governor at Vladivostock, asking to return.

As we proceeded we found the population on the Chinese bank was exceedingly small, and but few houses appeared on the Russian side. The natives of the Upper and Middle Amur belong, all of them, to the Tungusian stock, though they differ somewhat among themselves, according to the manner of life they pursue, and their nearness or otherwise to Chinese influence. Thus, on the Upper Amur, on the Russian territory, are the Oronchons, or reindeer Tunguses; whilst further east, north of the Middle Amur, are their

brethren the Manyargs, or horse Tunguses. On the southern bank of the Upper Amur are the Daurians, who to some extent cultivate the soil; whilst further east, and to the south of the Middle Amur, is the region of the Manchu, the most civilized of all the Tunguse tribes. This division is somewhat arbitrary, and does not notice subdivisions of some of the tribes; but it may suffice for the present to indicate their territories, and we can enter into further particulars as we approach their respective localities.

The Oronchons numbered, in 1856, 206 individuals of both sexes, roving over an area of 28,000 square miles—a country, that is, as large as Bavaria or the island of Sardinia. They originally lived in the province of Yakutsk, whence they emigrated to the banks of the Amur in 1825, and occupied a part of the territory of the Manyargs, whom they compelled to withdraw farther down the river.*

The Manyargs occupy the north bank of the Middle Amur below the Oronchons, but in summer they ascend the river for the purpose of fishing. As the needs of the reindeer drive the Oronchons to the moss tracts of the mountains, so the needs of the horses send the

* There are two tribes of them, one called Ninagai, which, in 1856, mustered 68 males and 66 females; 27 of the males paid annually 5*s.* 5*d.* of tribute each, or instead thereof 12 squirrel skins, to the Russian officer commanding the post at Gorbitza. The other tribe, the Shologon, numbered 72, including 40 females, of whom 17 had to pay to the commandant of Ust-Strelka a tribute of 6*s.* 4*d.* each. They owned 82 reindeer. There is also a tribe along the sea coast, called Oronchons, or Orochi, amongst whom it is customary for women to suckle their children till they are three or four years old. The men are recognized by their wide-brimmed hats. I saw one of them in prison at Nikolaefsk, and was struck with his manly bearing. This agrees with what Mr. Ravenstein says of the Oronchons of the Upper Amur, that they are not so submissive as the Manyargs, whose spirits have been broken by the oppression of the Mandarins.

Manyargs to the grassy valleys of the Zeya, and to the prairie region eastwards to the Bureya mountains.

Apart, however, from their differences as to habitation, and the domestic animals they use (the Oronchons keeping deer and the Manyargs horses), we may speak of the Oronchons and Manyargs together. In appearance they are rather small, and of a spare build. Their arms and legs are thin, the face flat, but the nose, in many instances, is large and pointed. The cheeks are broad, the mouth large, the eyes small and sleepy-looking. The hair is black and smooth, the beard short, and the eyebrows very thin. Old men allow the beard and moustache to grow, but carefully pull out the whiskers. They cut the hair short on the forehead and temples, and plait it behind into a tail, ornamented with ribbons and leather straps. This fashion was no doubt copied from the Manchu, but since they have come under Russian influence it has gradually waned. In the case of the women the hair is parted down the middle, the plaits are worn round the head, and fastened with ribbons above the forehead. During summer the women wear a conical hat made of cotton, somewhat like an extinguisher. Unmarried girls are recognized by their head-band, embroidered with beads.

The Oronchons and Manyargs lead a wandering life. In spring and summer they live on the banks of the river to fish; in autumn they retire to the interior to hunt. In these migrations the deer or the horses carry the scanty property of their owners. The horses are small but strong, of great endurance, and find food in winter by scraping away the snow with their feet.

Wild animals in the region of the Upper and Middle

REINDEER TUNGUSES WITH BIRCH-BARK TENT. Page 509

Amur are numerous. The Oronchons disperse in small parties to hunt them, returning from time to time to their yourts.* They hunt squirrels, sables, reindeer, elks, foxes, and sometimes bears. Squirrels they find in great numbers. A good sportsman may kill 1,000 in a season, and 500 is an average bag.† In December they take their furs to the localities fixed upon for paying the *yassak*, or tax, where also they barter with merchants assembled for that purpose. Each male between the ages of 15 and 50 pays annually two silver roubles, or their equivalent in furs. No other

* These yourts, or tents, are easily built and quickly removed. About 20 poles are stuck into the ground, to form a circle from 10 to 14 feet in diameter, and are tied about 10 feet above the centre. The frame is covered with birch bark, and overlaid with skins of reindeer and moose. An opening is left in front to serve as a door, and a hole in the top for the chimney. During winter the door is closed by furs or skins. In case of temporary removal, the skins and bark are taken away, and the poles are left standing.

† Mr. Ravenstein gives, from Russian sources, an interesting account of the manner in which these natives spend their hunting year. In March they go on snow-shoes over snow, into which, at that season, cloven-footed animals sink, and shoot elks, roe, and musk deer, wild deer and goats; the tent being fixed in valleys and defiles, where the snow lies deepest. In April the ice on the rivers begins to move, and the huntsman, now turned fisher, hastens to the small rivulets to net his fish. Those not required for immediate use are dried against the next month, which is one of the least plentiful in the year. In May they shoot deer and other game, which they have decoyed to certain spots by burning down the high grass in the valleys, so that the young sprouts may attract the deer and goats. June supplies the hunter with antlers of the roe. These they sell at a high price to the Chinese for medicinal purposes. The Chinese merchants come north in this month, bringing tea, tobacco, salt, powder, lead, grain, butter, and so forth, so that a successful huntsman is then able to provide himself with necessaries for half the year. In July the natives spend a large part of the month catching fish, taken with nets or speared with harpoons. They are able also to spear the elk, which likes a water-plant growing in the lakes. He comes down at night, wades into the water, and, whilst engaged in tearing at the plant with his teeth, is killed by the huntsman. In August they catch birds, speared at night in the retired creeks and bays of the river and lakes.

taxes are levied upon them, and this brings in to the Government an enormous quantity of skins.

My journey on the Upper Amur, or, more accurately, from Ust-Kara to Blagovestchensk, occupied eight days. The distance was 700 miles, and the first-class fare three guineas. Under ordinary circumstances, however, the time ought not to have been so long, but there was less water in the river, the captain said, than he had ever known before. It was by reason of this that the boat had run aground at Shilkinsk on the Sunday I was to have started, and on Monday evening a sister-boat, the *Ingoda*, having done the same, and knocked three holes in her hull, the *Zeya* had stayed alongside to render assistance. This caused the loss to us of the whole of Tuesday. Both boats belonged to the same company, and it was an act of policy, as well as kindness, that the damaged boat should not be left in so lonely a region, whilst a further reason for submitting to the delay, and keeping the boats together, was that our own vessel might run aground and so need assistance from the *Ingoda*.

I was curious to hear from the captain what was the

Their flesh, except that of the swan, is eaten, and the down is exchanged for ear and finger rings, bracelets, beads, and the like. Thus they spend the summer months, afterwards retiring again to the mountains for game. In the beginning of September they prepare for winter pursuits. The leaves are falling, and it is the season when the roebuck and the doe are courting. The natives avail themselves of this, and, by cleverly imitating the call of the doe on a wooden horn, entice the buck near enough to shoot him. Generally speaking, this is the plentiful season of the year, so far as flesh is concerned; but, should the hunters not be fortunate, they live upon service-berries and bilberries, which they mix with reindeer milk. They also eat the nuts of the Manchu cedar and of the dwarf-like Cembra pine. The latter part of September and beginning of October are again employed in fishing, for the fish then ascend the river to spawn. About the middle of October begins the hunting of fur-bearing animals, the most profitable of all game; and this goes on till the end of the year.

thickness of iron on the *Zeya*, and what distance we should have to sink, supposing we went to the bottom. The iron, I learned, was three-sixteenths of an inch thick; which was somewhat alarming, but it was a comfort to know that the water in some parts of the river was not much more than 30 inches deep. Our steamer drew only two feet and a half, consequently we were often gliding along within a few inches of the ground. One of the crew was placed in the bow of the boat, holding a measuring rod, with the feet marked in black and white, and secured to a string. This in shallow places he constantly threw, as if harpooning fish, and then noticing the depth when it struck the bottom, he called out in a sing-song fashion, "*Chetiri-s'polovenoi! chetiri! tri-s'polovenoi! tri!*"—four-and-a-half! four! three-and-a-half! three! and so on; the speed of the vessel being slackened when the small numbers were called.

After reaching the Amur on Wednesday, we travelled safely for that evening and on Thursday, but on Friday morning, coming to a turn in the channel, the boat ran aground on a bank, with her whole length turned sideways to the current—going at the rate of about four miles an hour. The shallowness of the stream now became apparent, for when the men jumped overboard the water rose hardly up to their waists.* Every effort was made to float the craft with anchors

* For steamers to run aground in the Volga is so common a thing that the captains take a number of third-class passengers free, on the understanding that, if the ship gets on a bank, they shall jump overboard and endeavour to get her off. Bold captains there, moreover, have a plan, when coming to a shallow place, of putting on steam, in the hope that the impetus and extra commotion made in the water by the paddles may tide them over the difficulty. The banks of the Volga being of mud, such experiments are not very dangerous, but our boat had grounded upon stones.

and levers, and digging away the beach, until, as evening came on and brought no success, we hoped the *Ingoda* would overtake us and return the compliment of rendering assistance, especially as we had once put back to look after her welfare. The *Ingoda* did come, but was not powerful enough to get us off, and we had therefore to lie aground till Saturday morning. The greater part of the passengers were then shifted from the *Zeya* to the *Ingoda*, and there they were compelled to remain from breakfast-time till evening, and that, too, with very little food, for the *Ingoda* was not carrying passengers, and so was not provisioned. Whilst this shifting was going on, I was in my cabin writing, and so had not to change. Meanwhile the sailors had hard work, for they were in the water nearly all day. About two o'clock, however, the *Zeya* was once more afloat, after which it took three or four hours to get up the anchors, and then, for the rest of our journey, we had no lack of water. The boat did not usually travel at night.

These delays had put a considerable strain on the resources of our cook, whose arrangements were not of a high order. I had rather anticipated this; and, having become so accustomed to see Russians travelling with their own provisions, had prepared accordingly. Some loaves of white bread had been brought for me by the ship from Stretinsk, and fresh butter; besides which, Colonel Kononovitch, as already stated, had loaded me with good things, and I had not parted with my provision basket and its cooking apparatus.*

They had different arrangements on the Amur from

* After having taken with me my cuisine several times, I am disposed briefly to advise any who may care to be counselled, by saying "don't."

those we had on the Obi. The steward undertook to provide every one with four meals a day. The first was tea and bread on getting up. Next, about 11 a.m., came "*déjeuner à la fourchette*," consisting of two courses. At five o'clock came bread and tea again, and dinner, of three or four courses, followed at seven. The provisions were decidedly inferior to those of the Obi, but acquaintance with certain Russian dishes was thereby forced upon me, which I might otherwise not have known. One of them was "*gretchnevaya kasha*," or buckwheat gruel, with melted butter like oil poured over it. I imagined it might be given us as a last resource, all other provisions having failed; but the passengers seemed to think it good though humble fare, and said it was what they provide largely for the soldiers. It is a daily dish, I am told, among peasants and servants in Russia. Further on we bought and slaughtered an ox. And as we approached Blagovestchensk, our table improved to clear soup, with minced patties, meat from the joint, and stewed fruit.

The service, too, was inferior to that on the Obi, for on the Amur the steward was represented by a couple of boys, not too tidily dressed, and with rough heads, who knew more of play than of waiting. It should be added, however, that the price charged for the four meals a day was not exorbitant, namely, three shillings; and after having the samovar frequently into my own cabin, and other extras, though to a consider-

It certainly does not pay in Russia, for hot water may almost everywhere be had, and the people well understand the speedy preparation of the samovar. A lunch basket, however, is a great comfort, and I should not think of taking a long journey without one. The cuisine may occasionally be needed; but in going round the globe I used it only once, and when travelling last year over the Caucasus to Armenia not at all.

able extent providing myself, my steward's bill for the eight days came only to 17 shillings.

We were highly favoured in the weather, which, with the exception of one day, was fine, and added much to the enjoyment of the journey. Between Stretinsk and Blagovestchensk were 42 stations. Many of them were named after the Russian officers who took part in the annexation of the country, such as Orloff, Beketoff, Korsakoff, etc.

At Ust-Strelka the river is 1,100 yards wide, and sometimes 10 feet deep. At Albazin, 160 miles lower, it contracts to 500 yards, but increases to 20 feet in depth. After leaving the Shilka, the scenery of the Amur at first deteriorated. Soon, however, the river stretched across the valley, and the banks rose in precipitous cliffs, or steep rocky slopes. Many brooks entered the stream on both banks. When rain falls on the mountains, the river rises sometimes 12 feet and more in the course of a few days, the greatest rise being 24 feet. Our captain of the *Zeya* was hoping that the Thursday's rain would thus aid him in getting out of the shallows. Five streams join the Amur on the Russian side, between Ust-Strelka and Albazin, of which the Amazar is the first and most considerable. At their mouths are small alluvial plains overgrown with grass, sometimes 18 inches high, though on higher spots in this district the herbage is not luxuriant.

Below the Amazar the banks were alternately rocky bluffs and wooded bottoms, the river sweeping along in great picturesque bends. At Sverbeef the river increases in breadth. The mountains are not so high, and sandbanks are frequent. These appear at low water as islands. The forests are thin, and there is

little underwood. On the mountains larch and firs prevail. In the valleys the white birch predominates, with bird-cherry and aspen. The trees, however, are small; and among them, further on, are apple-trees with tiny fruit, willows, and the hoar-leaved alder.*

On the rocky mountain slopes are the service-tree, alder, aspen, poplar, and hawthorn, together with the Daurian rhododendron. On loose soil Indian wormwood frequently covers a whole mountain slope.

As we approached Albazin the mountains retired, and below them were extensive prairies, affording excellent pasturage. Opposite the town, on the Chinese bank, the Albazikha, or Emuri, falls into the Amur behind a large island, with an area of several thousand acres. Oaks and black birch now begin to take the place of the larch, and at the foot of the mountains are seen elms, ashes, hazels, willows, the Daurian buckthorn, wild roses, and bird-cherries—the last sometimes reaching to a height of 50 feet.

Albazin is the most important of the towns we passed between Ust-Strelka and Blagovestchensk. It is finely situated on a plateau 50 feet high, and extends some distance backwards to the mountains. We arrived there early on Friday morning, August 1st. Albazin was important to the early adventurers, by reason of the fine sables taken in its vicinity. †

* The white birch is the most important. In spring the natives peel off the bark in strips from two to four yards in length. The coarse outside of the bark, and the ligneous layers on the inside, are scraped off. It is then rolled up, and softened by steam, which makes it pliable. Several of these are sewn together, and supply the native with a waterproof blanket or mat, forming a wind screen in winter, and a covering for the hut in summer. The bark thus prepared is used also for wrapping merchandise, making small canoes, baskets, platters, cups, and household utensils.

† Albazin, as already stated, is noted in Siberian annals for the sieges

The Albazin sable is said to be the best on the Amur, that of the Bureya Mountains next, and, thirdly, that of Blagovestchensk; but none of them are so good as those obtained further north.

I was much struck, below the town, with the brilliant red of the sandstone cliffs. On the right bank the mountains approach again close to the river; but on the left the plain continues for 70 miles, ending in a rock or promontory, called *Malaya Nadejda*, or Little Hope. This lofty mass of rock projects into the river in the shape of a semicircular tower. After passing the station Tolbuzin, 240 miles from Ust-Strelka, the river takes a more southerly direction, and lower down has numerous islands. These are covered with poplar, ash, and willow; and among the flowers are seen the rhododendron, the lily of the valley, pink, primrose, violet, white poppy, forget-me-not, and white pæony; also garlic, chickweed, asparagus, cinquefoil, and thyme.

A few miles lower is a remarkably steep sandstone cliff, of yellowish grey colour, bounding one of the reaches of the river for a distance of three miles. It is called Tsagayan, and is 302 miles from Ust-Strelka. It is about 250 feet high, and has in it two seams of coal, of which there is said to be plenty on the Amur, though

it stood, and one of the Russian stories connected therewith is, that when the garrison was greatly distressed for food, Chernigoffsky sent a pie, weighing 40 or 50 lbs., to the Chinese commander, to convince him that the fort was well provisioned. This present was so well appreciated, that the Chinaman sent for more, but in vain. History does not say whether the pie was of beef, mutton, pork, or puppies! The remains of walls, moats, ditches, and mounds, showing the site and extent of the town, may still be traced; and, by digging, the curious may still find there bricks, shreds of pottery, arms, etc. In Maack's celebrated work on the Amur, his plan represents Albazin as a square of 240 feet, and the Chinese camp as a parallelogram of 670 feet long and 140 wide. The Amur measures here 580 yards wide.

it has not been worked, I believe, owing to the abundance of wood. The natives look upon Tsagayan as the abode of evil spirits. At its foot are found agates, carnelians, and chalcedonies.

Beyond the Tsagayan the valleys descending to the river are wider, the steep mountains recede, and the meadows are richer in grass. Small groves of poplars, elms, ashes, and wild apples alternate with bushes of red-berried elder, sand willows, self-heal, and wild briar. At the station Kazakevitch, however, the mountains approach the river, and a dark granite rock, 300 feet high, overhangs the water. Eight miles south is the rock Korsakof, a promontory of semi-circular shape; and 40 miles more bring the traveller to the mouth of the Komar, which is the second considerable stream flowing into the Amur from the right bank after leaving Albazin, the other being the Panza. The course of the Amur here becomes very tortuous, and, about 50 miles below, the Komar almost describes a circle, leaving but a neck of land half a mile in width. The Komar is the greatest affluent of the Upper Amur from the Chinese side. It is a little short of 600 miles in length, more than one-half of which is navigable. The upper part of the valley is populated by Daurians.

Travelling thus amidst beautiful scenery, we reached Blagovestchensk on the eighth day, being now 560 miles from Ust-Strelka, and the width of the river having considerably increased. Here, however, we may leave the water for awhile, for the steamer stayed a whole day, and thus gave me the opportunity of spending some hours ashore.

CHAPTER XLI.

BLAGOVESTCHENSK.

Russian orthodox missions.—Particulars of Orthodox Missionary Society.—Visit to telegraph station.—Seminary for training priests.—Salaries of Russian clergy.—Blagovestchensk prison.—Leafy barracks.—View of the town.—Molokan inhabitants.

"BLAGOVESTCHENSK,"—I hope that the tongue of the reader curls round the syllables of this word more easily than did mine on the first occasion I attempted to pronounce it. The *g* should be guttural, and the first *e* like the French *é*. The meaning of the name is "Annunciation," or, as some put it, "glad tidings." I know not whether this has anything to do with the fact that Blagovestchensk is the head-quarters of Oriental Siberian missionary effort, about which it will here be a rest to say a few words by way of change from the waters of the river.

As Russia ranges under her standards many nations, so she is brought into contact with many religions; with Lutheranism in the Baltic provinces and Finland, Buddhism in Mongolia, Mohammedanism along her southern frontier, Paganism in the Caucasus and Armenia, and, we may add, Shamanism and other *'isms* among the aboriginal inhabitants of both her European and Asiatic territories. The Russians have long made persistent efforts to win back their own dissenters, whether from the various bodies of Raskolniks, or the Uniats, which

latter were seduced from them by the Church of Rome.* Besides this reclaiming work of her own people, foreign missionaries were, in the time of Alexander I., allowed to work among the heathen within the empire, and I have already noticed the London mission to the Buriats. The Synod, however, put a stop to this foreign work; and that their jealousy in this matter continues, I learnt from a Lutheran pastor, who, when he was taking up his residence near some of the native tribes, was bidden "not to busy himself as a missionary."

Compared with the Western Churches, whether Roman or Reformed, the Eastern Church has never been remarkable for missionary zeal, and I was therefore not a little surprised and pleased in Siberia to stumble unexpectedly upon the latest report (for 1876) of the "Orthodox Missionary Society," published at Moscow the year before my visit. The book is of respectable size, extends to 100 pages, and the statistics are displayed with considerable fulness. At present it is with the Russians only the day of small things; but it should be borne in mind that 1876 was only the seventh year of the Society's existence.

Some particulars of this young Society will be interesting, the more so as I am able to supplement what I learned in Siberia by extracts from the report for 1879, quoted in the *Journal de St. Petersbourg*, September 7th, 1881. The Society has a central council, and branches in 29 dioceses, with 7,560 members, which means, I suppose, subscribers. Its capital in 1879

* The number of dissenters is duly tabulated in the official reports sent to the Emperor. Thus, in one of them I was permitted to see was written, "No case has occurred during the year of dissenters being reclaimed, but we have in the province, as last year, 140 of both sexes of Bezpopoftschins, and 105 Molokans."

amounted to 660,000 roubles, of which 121,000 were spent during the year.* Among the remittances sent to the central council from associations is £77 from "the army and navy." Again, there appears what I imagine to be a special fund for "propagating the orthodox faith among the heathen." This is apart from their efforts among Mohammedans and Romanists; but the Russian Church has missions to the adherents of all religions within her empire, except Protestants.

As for the spending of the money, it appears that the council and 27 associations distributed, among 19 missions, funds to the amount of £11,580. The 21 mission stations are, with one exception, within the bounds of the empire. The other mission, to which I have alluded in a previous chapter, is in Japan. I heard at Kasan that they have a missionary also in Jerusalem, New York, and San Francisco; but these, I presume, are chaplains. Their chief European pagan missions are in the governments of Astrakhan, Riazan, Perm, and Kasan, in which last are several semi-heathen tribes.†

* The amount collected in boxes at church doors in 1876 was 30,100 roubles 37½ kopecks, and from other sources 111,598 roubles 28¼ kopecks, making a total of 141,698 roubles 65¾ kopecks—say £17,712 (reckoning the rouble *in this chapter* at half-a-crown, its approximate value at the date of the report), besides £1,537 paid to the council by local committees. A comparison is drawn between 1876 and the previous six years, and shows an advance over 1875 of 890 members and £500. The Society has six associations in Siberia, of which Irkutsk has the largest number of members—490, and raises the largest amount of money—£3,470. There is also a list of "special donations" in 1876, which were invested; one donation of 40 roubles, or £5; two of 50 roubles; one of 60; six of 100; one of 200; and one, the largest, of 300 roubles, or £37.

† The results obtained by the Society in 1879 in the region of the Volga, inhabited chiefly by Mohammedans, are much less than in Asia, the opposition being so great that for the present the missionaries can only prepare the way. To this end, schools might become a powerful auxiliary. Some tribes, such as the Tcheremisses and the Votyaks, for example, show an inclination for instruction; but the want of funds prevents the extension

It is in Asiatic Russia, however, that most of the Society's money is expended, and the conversion of 5,000 Pagans is reported to have taken place in 1879. They have opened a school among the Samoyedes. They have also missions in Kamchatka (including probably, the Sea-coast province), upon which, in 1876, they expended £300, and from whence the following year, according to the Almanack, they obtained 606 converts. The provinces, however, in which most money is spent are those of Tomsk, Irkutsk, and the Trans-Baikal. In the latter two are the Buriats, amongst whom the Russians have 30 mission stations and 68 missionaries.* The province of Tomsk includes the region of the western chain of the Altai mountains, where schools and missions have been established for the Kirghese of the Steppes. In the Altai mission, during the first half of the year 1877, they enrolled 195 converts. Further east they have missionaries, some of whom I met, among the Goldi and Gilyaks; but I shall speak of them when we come to their districts.

of the Russian school system to the Mohammedan villages. The same is seen with the Kalmuks of Astrakhan, who would welcome schools, and gladly abandon their nomad and heathen congeners to settle upon lands assigned to them. At Noire-Cherinsk, 12 families began the construction of houses, but for lack of money failed to complete them, and asked the Government for an advance of £3 for each family. At Oulane-Ergansk, certain families have come to settle, and already are giving themselves to agriculture.

* One of their triumphs in 1879 was the conversion of the learned lama, Taptchine-Nagbou-Mangolaiew, who was first impressed by the Russian Church services he attended from the preceding year at Chita and Verchne Udinsk, where, after the manner of the missionaries, the service and singing is, I believe, in the vernacular. This man was baptized in the waters of the Baikal, from which he takes his present name of Vladimir Baikalsky. He understands seven languages—Manchu, Chinese, Mongolian, Thibetan, Sanscrit, Latin, and Russ, and has accepted the post of Professor of Mongolian in one of the missionary colleges.

At Blagovestchensk lives the Bishop of the diocese, who had been described to me as "a good missionary."

We stopped at Blagovestchensk on Tuesday, August 5th, and I made my way to the telegraph station, where, as in other towns, thanks to good introductions, I received much kindness from the officials. When travelling to Barnaul, I chanced to light on a telegraph officer, Mr. Friis, whose name was on my list, and he told me of a brother officer in Tomsk who spoke English. At Irkutsk Mr. Larsen gave considerable linguistic help; so did Mr. Koch at Stretinsk; and now, at Blagovestchensk, I found a Mr. Niellsen, who had worked in London, and spoke English; and Mr. Peko, who spoke French and English too. Mr. Peko, I found, was the director of this station of first rank.* When dining with the manager, Mr. Peko, and Mr. Niellsen, in the garden, I was interested to hear, among other scraps of professional information, that English is the best of languages for telegraphy, for that in it they can express more in few words than in any other. The Russians, they said, prefer to use English rather than their own language for telegrams. My nationality was further flattered in the town by a

* The Government authorized, so far back as 1861, the construction of a telegraphic line from Nikolaefsk, up the Amur, to Khabarofka, which was to continue thence to the southernmost point of the Russian territories on the Sea of Japan. The telegraph line from Kasan to Omsk was to be opened in the same year; from Omsk to Irkutsk in 1862, and thence undertaken in 1863 to Kiakhta and Khabarofka, the Amur Company agreeing to do the work and the Minister of Marine to provide the funds, the Government guaranteeing 5 per cent. on the outlay. The rates for telegrams in Russia and Siberia are:—

Within a radius of 66 miles, 1 shilling for 20 words.							
"	"	660	"	2 shillings		"	"
"	"	1,000	"	4	"	"	"
Beyond	"	"	"	6	"	"	"

doctor's wife telling me that to speak English was now in Siberia and Russia more fashionable than to speak French. Said she, "*On peut oublier maintenant le Français pour apprendre l'Anglais.*"

Blagovestchensk has a seminary for the training of priests, similar to those established in Russia by Peter the Great. He found his clergy exceedingly ignorant, and established these institutions for their sons, enjoining the bishops to support them with a twentieth part of the income from the monasteries. In these establishments, and others which have been added, are educated the rank and file of the Russian clergy.*

I did not once meet in Russia with a priest who could speak French, German, or English. Perhaps they throw their strength into patristic and ecclesiastical learning, since the parochial clergy are usually said to be not well instructed in secular studies. An instance was given me by an Englishman, who travelled in Siberia with a Russian archbishop, who one day asked the Englishman which had the greater population, London or San Francisco. Whereupon my wicked friend said, "Well, you see, London has a population of two hundred thousand, and San Francisco four

* Upon my return journey on the Amur, I met on the boat some of the students going back to Blagovestchensk after their holidays, and from them and their teacher I got the following information respecting their place of education. Priests' sons are provided with education, food, and clothing free; other scholars pay for food and clothing. They are at the seminary ten months and a half during the year, and have the remaining six weeks for holidays. They have six classes, and stay two years in each, with four lectures daily, and read from eight till two. At the seminary at Blagovestchensk, in 1878, there were 50 students and nine professors, namely, of Latin, mathematics, Greek (no Hebrew), theology, philosophy, the Bible, Russ, Manchu, physics, music, etc. The students, I was told, on leaving, usually know a little Latin and Greek, and may learn modern languages; but this last, in Russia, is not compulsory.

millions." "Ah!" said the archbishop with satisfaction, "I thought so; I thought San Francisco was the larger!"

Those students who wish to attain to the higher degrees of learning, on leaving the seminary, proceed to one of the ecclesiastical academies which correspond to our universities, and where they can take the degrees of student, candidate, master, and doctor of theology. There is no theological faculty in the Russian universities, but it is now required that all who are to be consecrated bishops shall have passed through the academy.

To return, however, to the seminary: the students enter at the age of eight, and remain normally till twenty-two, when they receive a diploma, which is accepted by the bishop, and the candidate without further examination is ordained.

The case of one of these students presented a curious instance of the working of the inconsistent requirement of the Russian Church, that the parochial clergy at the time of their ordination *must* be married. "Do you see that boy running about on the deck?" said a fellow-passenger to me, pointing to one of the seminary students. "He is nineteen years old, and is returning to the seminary for the last time. In the course of a few months his mother is to find him a wife, and next year he will return to be married, and then immediately ordained!" * This would be before

* I have called this requirement of the Russian Church inconsistent because they interpret St. Paul's words, that a deacon should be the husband of one wife, so literally as not to ordain a bachelor as parish clergyman; and yet, though St. Paul gives the same injunction concerning a bishop, they will not consecrate a priest to the episcopate so long as he is married.

the canonical age for ordination, but was owing to the lack of clergy in the Primorsk, in which there are about 50 congregations with churches or chapels. Between Nikolaefsk and Vladivostock, a distance of 1,300 miles, are only 14 priests and 2 deacons; and so pressing was the need of clergy a few years since that tradesmen, letter carriers, and even yemstchiks in some few instances were ordained.

Mr. Peko accompanied me at Blagovestchensk to call upon Mr. Petroff, the deputy-governor, from whom I learned that there was only one prison in the province, having 26 rooms. We visited it, but the only notes I have are "dirty and overcrowded," and "punishment cells all full," some having two men in a place not too large for one. What made the prison so full I know not, nor am I able to say whether they were local offenders from the province or exiles temporarily there on their way eastwards. There were none lounging about in the yard, so I suppose they had all been gathered for our inspection. The punishment cells being occupied was not, as far as I know, because the men had misbehaved, but because they were compelled to use all available space. Moreover, since the prison authorities seem to look upon solitary confinement as so great a punishment, it may be that two were put in some of the cells for the sake of company. I remember that when I spoke to the president of the Tomsk prison approving the separate as opposed to the gang system, he thought it was decidedly bad to put a *moujik*, or simple peasant, in a cell alone; for "having nothing to think about," he said, "he might go mad!" This good man informed me, too, in connection with my self-imposed mission,

that the prisoners did not want so much religion, but liked also books of history, travels, etc. This I knew, but since three wagonloads did not more than suffice for the little I attempted, and my means were limited both as to carriage and in other ways, I was only too thankful to take so many books as we did, and leave it to other philanthropists to complete the work. I left 50 New Testaments and 12 wall pictures at Blagovestchensk with Mr. Petroff for the prison, for the 20 rooms of his two hospitals and a school in the course of erection, with four rooms for prisoners' children.

Near the hospital were summer Cossack barracks, put together in the most primitive fashion. The ordinary barracks needing repair, they had cut branches of trees and leafy underwood, tied them in fagots, and stood them up so as to form walls and roof, which gave tolerable shelter for hot weather, but served as poor protection from wind and rain. They were intended, however, to last only for a few weeks.

From these summer barracks there was a fine view of the river and town. The houses are situated on a plain 15 feet or 20 feet above the water. The Government establishments and merchants' stores are large and well built, each having plenty of space around it. Some of them have gardens, and stretching along the bank from the wharf to the roomy telegraph office is a green sward planted with trees for a park. Blagovestchensk has a population of only 3,400, but its long river front and its cross streets give it the appearance of an important town. Some of the shops were excellent, and well supplied with merchandise. The town was founded in 1858, and the Amur Company

A STAROVERS' OR OLD BELIEVERS' COUNTRY CHURCH. *Page* 527.

kept there one of its principal stores. On the winding up of its affairs, this store was bought by the company's clerk. Mr. Knox says, in 1866, that the Russian officers complained of the combinations among the merchants to maintain prices at an exorbitant scale. I heard, too, that this is still done. If, for instance, in the middle of the winter a merchant discovers that his brother tradesmen have sold all their sugar or any other article, and that his stock is all the town possesses, then, knowing that no more can arrive till the ice goes and the navigation opens, he can demand higher prices for goods of which he has a monopoly. Candles were quoted to me as costing usually 11*d.* or 1*s.* per lb., but as rising sometimes to 2*s.* 6*d.* Cheese costs from 2*s.* to 2*s.* 6*d.* per lb., but I suppose that these articles must be of European or American manufacture. Chickens at Blagovestchensk vary from 6*d.* to 2*s.* each, veal from 4*d.* to 5*d.*, and beef from 2½*d.* to 4*d.* per lb. Milk costs 2*d.* per pint in summer, and 4*d.* in winter; live geese, bought from the Manchu, cost from 2*s.* 6*d.* to 4*s.*; but in winter, from the Molokans, 5*s.* In connection with these prices should be quoted the cost of land, which may be purchased from the Government for 2*s.* an acre.

I was told that the town is full of dissenters. I did not hear of any Starovers or Old Believers, nor observe on any church the *three* transverse beams of their form of the cross; but there were many Molokans,—colonists, I suppose, or descendants of exiles. Their presence, doubtless, accounts for a good deal of the prosperity of the town, for they are "honest, sober, and industrious."

The *Molokans* are so called because they drink milk on the usual fasting days. Their origin is involved in obscurity, and by some is dated back to the middle of the last century. Early in the present century many were living in the south of Russia. An English gentleman, residing at Berdiansk in 1848, visited their villages, and from his wife I learn that Salamatin, the Molokan chief, and his family were pious, but very simple, uneducated people. My friend used sometimes to invite them to her table. She tells me that their enlightenment came, to all appearance, simply from reading the Bible. They found there the worship of images forbidden, and accordingly declined to bow down before them, on which account some were persecuted, even to bodily pain, but to no purpose; they would not give way. Blunt's "Dictionary of Sects" says that a Baron Haxthausen, in 1843, visited a colony of 3,000 Molokans in the Crimea, and found that they denied the necessity of baptism and the Lord's Supper. With Blunt's statement partly agrees what my friend told me, namely, that some important official came to visit the Molokans in her neighbourhood (not, however, in the Crimea, but in the government of Ekaterinoslav, which was then their habitation, their villages being situated on the banks of the Moloshna), and found so little objectionable among them, and so much that was good, that the official gave them an excellent character, and they were afterwards left unmolested. Also their alleged disuse of baptism and the Lord's Supper seems to agree with what I heard of them from a fellow-traveller, who lodged in the house of a Molokan; for he told me that on Sundays they hold meetings, read the Scriptures, pray, sing, expound the

Bible, and ask questions, but he thought they did not baptize nor receive the Lord's Supper. But I remember my lady friend telling me that when the Molokans separated from, or were turned out of, the Russian Church, they had no priests nor any person of education to guide them, nor have they priests now, but only elders; hence, if they are without sacraments, I am not clear whether it is from choice or necessity.* My fellow-passenger spoke in high terms of the Molokans of Blagovestchensk. He said he never saw any of them intoxicated, or even enter a tavern; that he rarely or never saw them out of temper, or heard them use bad language; and that they spent their spare time in reading the Scriptures.

But this does not save them from annoyance. Their manner of living at Blagovestchensk has enabled many of the Molokans to become rich, so that they can hire servants. An old Russian law, however, forbids a Molokan to employ an orthodox Russian. The Russians, notwithstanding, like to serve the Molokans, because they are good masters, and pay well. Hence the law has become practically obsolete; but the summer before my visit, the police-master (a man of anything but exemplary moral character), having a grudge against a principal Molokan, and, Haman-like, thinking scorn to lay hands on one only, began doing his best to annoy the whole of them in the town. How the matter ended I did not hear.

I saw, before I left Siberia, an official confirmation

* The Molokans of Ekaterinoslav were not indifferent to the sacraments, for Salamatin, their then chief, was wont to baptize by immersion; and as for the Lord's Supper, they celebrated it sitting round a table, each communicant receiving a piece of bread broken from one loaf, and the cup was afterwards passed round to each member.

of the good opinion I was led to form of the Molokans. The governor of a province wrote officially to Petersburg thus: "We have 105 Molokans, most of them living in the South Ussuri district. They are living quietly, and are very laborious, and amenable to authority. They are civil in their bearing towards the members of the orthodox Church, and are not fanatical." Looking, therefore, at this triple testimony, and comparing the lives of the Molokans with the lives of the orthodox, I felt that to bring the orthodox into contact with the Molokans would be likely to improve the orthodox rather than otherwise, and that the Tsar would have more good subjects than he now has if he had more Molokans.

CHAPTER XLII.

THE MIDDLE AMUR.

Departure from Blagovestchensk.—The Zeya.—Climate.—Employment of time.—Russian tea-drinking.—The Bureya river and mountains.—Delightful scenery.—Ekaterino-Nicolsk.—Distribution of books and Scriptures.—Recognized by a passenger.—Prairie scenery.—Shooting a dog.—The Sungari.—Chinese exclusiveness.—Course of the river.—The Amur province.—An excise officer.—Remarks on alcohol.—Teetotalism in Russia.

WE left Blagovestchensk on the morning of the 6th of August, and soon found the river widened. A short distance below the town is the mouth of the Zeya, the largest affluent of the Amur we had yet seen.*

It was along the Zeya that the first Russians reached the Amur in 1643. Since the Russian occupation, 5,000 peasants have been settled along the river, which is said to be navigable for steam three or four hundred miles from its mouth. It is, I believe, owing to the immense volume of water at times discharged by this river that Blagovestchensk is liable to serious inunda-

* This river rises in the Yablonoi range, and pursues a course of 700 miles to the south-east, receiving several affluents from the east before it flows into the main stream. At its mouth it is nearly a mile wide, and in some places 35 feet deep. Its swift, turbid, yellowish waters are no mean addition to the black waters of the Sak-hah-lin, as the natives call the Amur. For some distance below the junction the two colors are distinctly visible; but finally the black dragon swallows up his yellow neighbour, and flows on majestically towards the ocean.

tions. At the time of my visit the town stood from 20 to 30 feet above the river, but in the course of a few weeks, news reached the Lower Amur that Blagovestchensk was so deeply flooded that the water had risen to the telegraph wires, and that there were several feet of water in the houses of the town. I heard, subsequently, of a flood higher by five feet that took place in 1872.

Beyond Blagovestchensk we experienced a decided rise in the thermometer. This town is on about the same parallel as London, and has a summer temperature not very different; but its winter climate is much more severe.* So far as my own experience is concerned, I was highly favoured in the weather, for the only day on which any rain worth noticing fell was the last of July, on the Shilka. At the commencement of the voyage, at night, I put my maximum and minimum

* The greatest heat, in July 1877, at Blagovestchensk was 89°·2, and at Greenwich 88°·2; but the greatest cold, in December, at Blagovestchensk was 32° below zero, as compared with 28°·7, the greatest cold at Greenwich. Speaking generally of the weather at Blagovestchensk, Mr. Ravenstein remarks that in the winter of 1859-60 it was fine until the middle of October. On the 4th November snow fell, and soon after the river was frozen. During December and January it was fine though cold, the temperature falling occasionally to 45° below zero, and at one time to 49°, and never rising more than 9°·5 above it. Violent storms occurred during November, and again in February. On the 2nd of April was the first thaw. Between the 6th and 9th of May the river became free of ice, and the last snow fell on the 12th, but without remaining on the ground. The greatest heat during the summer was 99°. The district of the Middle Amur enjoys a more favourable climate than the Upper Amur, though only so far as the summer months are concerned. These are free from hoar-frost, which, on the upper part of the river, is often destructive to the harvest. The winter is quite as long, and the Amur at Blagovestchensk is frozen over from the beginning of November to the commencement of May; and the Zeya some three weeks longer. The quantity of snow, however, is not too great to allow of the Manyargs keeping their horses throughout the winter pasturing in the open air.

thermometers out of the cabin window; but, having broken the latter on the 2nd of August, I am unable to say more than that the nights became very much warmer. On August 6th I noted that the heat was very great, and was doubly thankful in the morning for a cold bath. My cabin was about the size of an old-fashioned oblong church pew, with seats on the longer sides. These were too narrow to sleep upon, so I inflated my air bed and placed it on the floor; then in the morning it was necessary merely to remove the bed and unfold my bath previous to calling for water. I nowhere found in Russia or Siberia the use of "the tub" as English people now use it; and when on one occasion in Moscow I asked the landlord whether in the morning I could have a *cold* bath, he said he had never been asked for such a thing in his life!

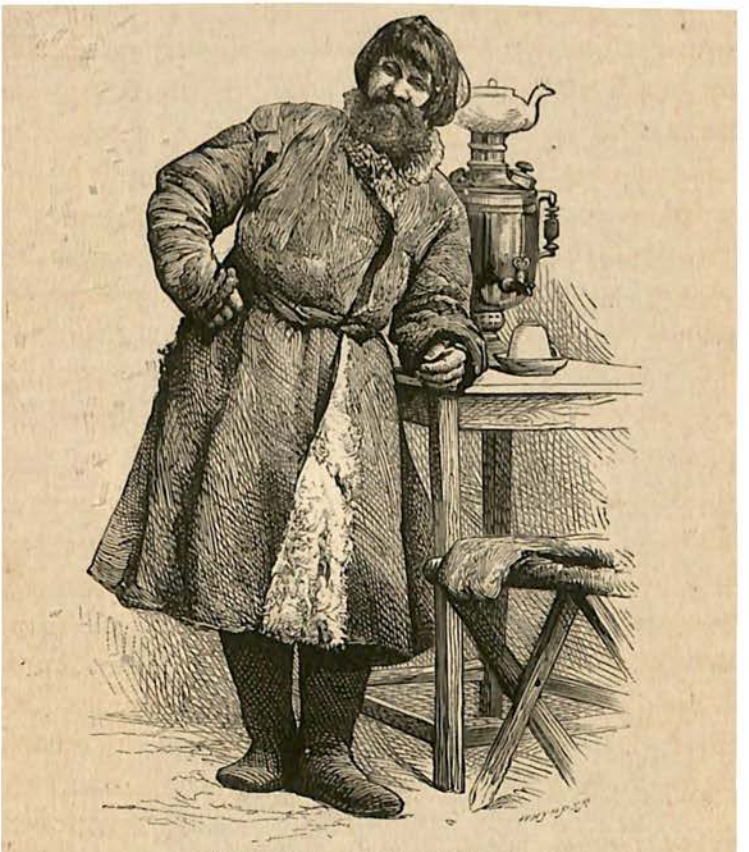
Time on board hung by no means heavily upon my hands; for, having received several papers of statistics and official information written in Russ, I was glad to get them translated by some of the ladies who spoke French. I thus had opportunities of receiving explanations upon points not quite clear, and of correcting wrong impressions. With this writing-up books I alternated letter-writing, both private and official, though it seemed to be not much use writing to England, since I expected to get there by crossing the Pacific in less time than a letter could do so by crossing Siberia. The captain, however, expected to meet a steamer that would take mails to Stretinsk, and I therefore wrote a number of "open letters," as the Russians call them, if only that my friends might receive a penny post-card from the land of my

temporary exile. Among them, I remember, was one to Miss Frances Ridley Havergal, to whom I had written the previous year during my Archangel tour. I little thought at the time I was writing she had passed away, and that when crossing America I should read of her death.*

Thus, what with translating and writing, reading some small manuals I had brought on botany and geology, and gathering information on Russian affairs, the days passed happily enough. My fellow-voyagers were pleasant, and, after being thrown together for nearly a fortnight, we became quite sociable. The afternoon samovar was a great rallying-point, for Russians dearly love their tea—and not a little of it either. When two Moscow merchants have concluded a satisfactory bargain, they retire to a *traktir*, or tea-shop, where they call for a samovar, drink so many potations and make themselves so hot, that they call for a towel to wipe off the perspiration, and then—"begin again." Our cook replenished his pantry at Blagovestchensk, and so did I, for I bought up all the white bread I could find, and Mr. Peko kindly gave his parting guest both butter and cheese. On the first day we travelled 340 miles, to Ekaterino-Nicolsk. When we started, the river was 1,200 yards

* I wrote also to General Kaznakoff, the Governor-General of Western Siberia, at Omsk, requesting that the Scriptures, which I had arranged for the interpreter to take to Tiumen to be forwarded thence, might be distributed through the provinces of Akmolinsk and Semipolatinsk; so that, with what I hoped to do in the Sea-coast province, I began to look upon my plans for the supply of the Siberian prisons as all but completed. The boxes containing these books did not reach Tiumen till the autumn; they were some time on the road to Omsk; but when I last heard of them, they had reached their destination, and were about to be distributed.

in width, with soundings of 15 feet. At Aigun, 14 miles lower, it had increased to 1,866 yards wide, and to 30 feet deep. The scenery during the early part of the day displayed an extensive plain, with no visible limit on the left hand, and bounded on the right by low



RUSSIAN PEASANT, WITH SAMOVAR.

ranges of hills. The soil of this prairie is clayey, with an upper stratum of rich black mould, which is covered with luxuriant grasses, attaining often the height of a man. Among them may be seen Manchurian panic grass, and succulent, broad-bladed kinds of which I do not know the names; also grape and pea vines, and

many varieties of flowers, among which the lily of the valley is so abundant as to fill the air with its fragrance. Small shrubs of cinnamon-rose are hidden everywhere by the grass, and, with vetches and other climbing plants, render travelling over these prairies, as Mr. Collins testifies, extremely difficult.

Below Aigun, the country on the north continues flat, and is covered with a rich black soil, in places fourteen inches thick. About 30 miles below Aigun, the river divides into many channels, and the right bank in several places is scooped out and steep. On the left are extensive shallows and sandbanks—some barren, others covered with grasses and willows. Of this last there are nine species on the river. The natives use the bark for making ropes. At Skobeltsina, 160 miles below Blagovestchensk, the Bureya comes in from the north, after a course of 703 miles. This river flows through a level prairie country, diversified by clumps of oaks and maples. At its mouth it has a breadth of half a mile. Beyond this stream the south bank rises, and toward the latter part of the day we found ourselves not far from the Bureya mountains, where the hills approached close to the river. Coal seams from three to four inches thick, resembling cannel coal, have been discovered in this district. The lower portions of the hills were wooded with small oaks, and on more elevated parts were denser forests of young oak and black birch. In shady ravines are found groves of white birch and aspen, and in open situations, and on the islands, various kinds of willows, limes, bird-cherry trees, small Tatar apples, elms, the Manchu ash, the Mongol oak, and a few cork trees of small size. Hazels also grow here, and at the skirt of

the forest may be found the vine climbing the trees to the height of 15 feet. The most characteristic shrub of these forests is the Manchurian virgin's bower, the numerous white blossoms of which contribute not a little to its beauty.

We were favoured with a delightful evening for our journey through the Bureya mountains, the scenery of which reminded me forcibly of some parts of the Danube.*

The Bureya, or Little Khingan, mountains cross the valley of the Amur at nearly right angles. They are of mica schist, clay slate, and granite. Porphyry has been found in one locality, and there are said to exist indications of gold. As we journeyed down the stream in the evening light, the tortuous course of the river added much to the beauty of the scene. Almost every minute the picture changed, hill, forest, and cliff giving variety to the prospect as we wound our way through the defile. Here and there were tiny cascades breaking over the steep rocks to the edge of the river, and occasionally a little meadow nestled in a ravine. At times one seemed completely enclosed in a lake, from which there was no escape visible save by climbing the hills, and it was impossible to discover any trace of an opening half a mile ahead. And thus we travelled on, till at dusk we arrived for the night at Ekaterino-Nicolsk, a settlement of 300 houses, standing on a plateau 40 feet above the river. Here I found a

* At the entrance of the defile, 783 miles below Ust-Strelka, and on the north bank, is situated the station Pashkof. On the opposite bank rises the bold promontory of Sverbeef, projecting far into the river. From a breadth of two miles the Amur suddenly decreases to 700 yards, the depth in many places reaching to 70 feet, and thus it flows for 100 miles to Ekaterino-Nicolsk. The current sweeps along at the rate of three miles, and in some places attains as much as 5½ miles an hour.

church, which was approached through an avenue of trees in a public garden. I afterwards learned that specimens of all the trees in the region were planted there; but when I entered it, the light was too far gone to allow of my seeing more than that we had come to beauties of vegetation superior to anything I had yet beheld in Siberia.

The arrival of a steamer at Ekaterino-Nicolsk is not an event that takes place daily throughout the year, and the whistle draws a large proportion of the population to the river's bank—some to sell garden produce, some to meet friends, and some to look on. These little crowds afforded me excellent opportunities for distributing my tracts, and selling or giving away the Scriptures. A large proportion of the Russian colonists get their living by supplying fuel for the steamers. In 1866 the Government used wood to the value of £6,000, and private firms £1,200; and as we had frequently to stop at these wood stations, I was able to go on shore, and leave my printed messengers in the most out-of-the-way places, where they were always thankfully received, and often gladly purchased.*

This attracted the attention of the passengers, who wished also to purchase. One day, on the Shilka, I sold more than 30 copies, some of them to very poor-

* Another opportunity had occurred on the Upper Amur, on our meeting a steamer tugging an immense two-decked barge laden with seamen, who had finished their term of service in the Pacific, and were returning homewards with their wives and children. Their barge had the appearance of a huge Mississippi steamer loaded with passengers above and below, and as we approached they hailed us. Our captain was not then out of shallow water, and as he knew the commander of the approaching steamer he deemed it advisable to drop alongside and ask about the condition of the river, exchange a few kindly words, and perhaps drink with his brother navigator a glass of tea, or something stronger. I, too, went on board,

looking persons. A merchant on board wished to invest largely, but I was unwilling to sell wholesale, preferring rather to scatter my stock over as wide an area as possible. I found, moreover, that travelling merchants in Siberia ask a shilling for the books I was selling at sixpence; and though, considering the difficulties of carriage from Petersburg, this was not perhaps exorbitant, yet I wished rather to bring my wares directly within reach of as many purchasers as possible, and even to *give* them, if necessary, in lonely and far-off places. We reached some out-of-the-way spots on the Obi by sending parcels of books to the priests, with a letter, but this I was unable to do on the Upper and Middle Amur.

The curiosity of my fellow-passengers was of course aroused by what appeared to them my strange proceedings, and they hit upon various conjectures as to who and what I might be. It has not unfrequently been my experience to find, after curiosity has subsided, that my distributing religious literature has secured for me many attentions and acts of kindness from those who, before reading the tracts, were disposed to be prejudiced and perhaps opposed. I found this particularly the case in Siberia, though I was hardly prepared to learn that the intelligence of what

and sold 20 New Testaments in as many minutes, distributing also several papers and books. I wished to make the captain a present of some New Testaments for the use of the crews of his two boats, but he preferred to buy them, and gave me 3½ roubles for 14 copies, to which I added some placards, etc. The captains, too, of the *Zeya* and the *Ingoda* bought some for their crews in preference to my giving them. I had, however, already nailed up some of my pictures in both cabins of the two boats, and placed in each a copy of the New Testament for the use of the passengers, as was done also for the boats by which we travelled on the Obi and the Kama.

I had done three years before in Finland had reached the Amur. On the second day, however, between Blagovestchensk and Khabarofka, a passenger, who had come on board the previous day, espied my name on my luggage, and, coming on deck, he asked if I had travelled round the Gulf of Bothnia. On receiving a reply in the affirmative, he said he had read of my tour, which had been translated by my Finnish friend for a paper called the *Helsingfors Dagblad.* He thus remembered what I had done, and was abundantly willing to be of service if he could. His name was M. Emil Kruskopf, an inspector in the telegraph service, and he performed several kindnesses for me unasked. He had been flattered as a Finn by the way I had spoken of the Scandinavian steamers, and thus I found that a kind word was bearing its fruit after many days, and far from the place where it was spoken.

Among the crowd who came to look on at Nicolsk was the priest, to whom I gave some pamphlets and some copies of the *Russian Workman.* Next morning we departed, hoping by nightfall to reach Khabarofka. After proceeding a short distance the mountains receded on the left, and, a little lower, on the right also. Then appeared two islands, the one on the right being about half a mile long and a few yards high, covered with birches and elms, in the shade of which grasses grow to the height of six feet. The second island is a steep rock. The depth of the river continued to be 70 feet.*

* From this part to the mouth of the Sungari the prairie extends as far as the eye can reach, and the banks of the river are in many places swampy. The stream increases in breadth, and has numerous islands.

The country in this part is the most desolate along the whole course of the Amur; though, with us, the monotony of the afternoon was enlivened by a cry that a bear was swimming across the river. And, surely enough, there was the head of *some* animal above the water, not very far from the steamer, though I confess it did not appear to me to be that of a bear. Some of the passengers went below for their revolvers and rifles, and began to fire, much to the excitement of every one on board. The captain stopped the ship, and as the animal came nearer, the shot entered the water so close to his nose that he raised himself to see what was the matter. At last a bullet struck him in the head, and the discolored water proclaimed a fatal shot. A boat was lowered, and some of the crew put off, but only to find that all the excitement had been bestowed upon an unfortunate dog!

We passed the mouth of the Sungari, on the southern bank of the Amur, 992 miles below Ust-Strelka.* The Sungari, with its affluents, drains the larger portion of Manchuria. Very little is known about it, though its valley is said to be tolerably well peopled and fertile.†

covered with willows and other trees. The islands do not interfere with the navigation, as they are ranged along the two banks of the river, and leave an open channel between.

* The color of the Sungari is lighter than the Amur, and Mr. Collins, who tasted the water, pronounces it insipid and warm, as coming from a southern source. The force of the current is about two knots, that of the Amur here being four knots. The Sungari is a mile and one-third in breadth at the mouth. It rises on the eastern slopes of the great Khingan, or Shan-alin, or White Mountains, and, being joined by many tributaries, runs in a southerly direction, till, meeting another affluent from the mountains which border on the Corea, it turns to the north-east, and, after a course of 1,000 miles, falls into the Amur.

† The first large town up the river is San-sin, which Mr. Maximowicz.

We had now reached the most southerly bend of the Amur, and had entered a somewhat different climate from that of the Bureya range, for these mountains are cooler than either of the prairies above or below them.*

Below the Sungari the level prairie continues along the left bank of the Amur. On the right bank a range of hills accompanies the river for a distance of 20 miles, and at the villages of Dyrki, Etu, and Kinneli are bold cliffs. The hills are covered with an open forest. Underneath them a luxuriant herbage shoots up to the height of five feet, and in July are seen the numerous red flowers of the Lespedeza, the blue blossoms of vetches, large white umbels of the Biotia, and catkins of the Sanguisorba. On the shores

the naturalist, in 1859, endeavoured to reach, but he was compelled to return on account of his hostile reception by the jealous and exclusive Chinese villagers. I met at Khabarofka a Russian merchant, who had proceeded up the river some distance to purchase corn; an attempt, however, in which he only partially succeeded,—and that little, I understood, through the mediation of a Roman Catholic missionary. By the Chinese treaty with Russia the Sungari is declared to be open for the purposes of commerce. It thus presents an unoccupied field for some enterprising pioneer who will thus push his way into Manchuria.

* In the Bureya district in August thick fogs rest on the river in the morning, and the nights are cold. The amount of snow throughout the winter is about 4½ feet or more. The climate, however, on the Amur, which is most favourable, is that found between the mouths of the Sungari and Ussuri, though even here the river is ice-bound during five or six months. At Khabarofka it freezes about the end of November and opens in the beginning of May. Snow covers the ground to the depth of a foot or a foot and a half, and even 2½ feet in exceptional winters. Below the mouth of the Sungari the Amur divides into several streams, and many islands have been formed in its bed. The river, too, changes its course, and runs to the north-east, which seems to be a direct continuation of the Sungari. In fact, this river has been claimed by some as the parent river. The Russians, however, could well afford to allow the Chinese to establish this relationship, for then the Tsar would be entitled to the greater part of Manchuria, the treaty giving Russia all the land "north of the Amur," to which John Chinaman would probably object.

of the islands in the river are heaped up the bleached trunks of fallen trees and driftwood.

As we drew towards the end of our voyage, we were approaching likewise the confines of the Amur province, which is at once the smallest and least populous of the provinces of Siberia.* There are 31 stations between Blagovestchensk and Khabarofka, the distance is 560 miles, and I paid for first-class fare £2 10*s*. The largest of the stations and the most important is Michael Semenovsk, about 17 miles below the mouth of the Sungari, so named in honour of a Governor-General of Eastern Siberia. It is a military post, and rejoices in the possession of two iron guns pointing over the river in the direction of China, though they are said to be utterly useless for purposes of war, and can only be employed for firing salutes.

At this place we put off some of our passengers, and among them the wife of the artillery officer whom we had first seen as far back as Kansk, and with whom we had been brought in contact on the Baikal, and again on the Shilka. It looked as if our acquaintance was now to cease, but it was not so; for when I reached Vladivostock this lady appeared again, at a distance of more than 3,000 miles from where we first met. I had made another acquaintance also since leaving Blagovestchensk, one Baron Stackelberg. This gentleman had been sent to the Amur to put the screw

* It has an area of 173,000 square miles, and is about the size of Spain, its population amounting to only 22,000 persons. In this last respect it contrasts favourably with the neighbouring province of Yakutsk, which is eight times as large, but has only about 1,200 more inhabitants. The one town of the province is Blagovestchensk, where the Governor resides. The other habitations form mere villages situated on the banks of the river.

on in the matter of excise. At the annexation of the country, the Government was so anxious to people it that they promised emigrants immunity from taxes for 20 years, and this time was nearly up. The Baron had, therefore, to put things in order, and had been doing so since 1875, when he crossed Siberia by land and happened to fall in and travel with Mr. Milne, to whose journey across Europe and Asia I have alluded in a previous chapter. The Baron spoke pleasingly of his journey with his English friend, as he called him, and he was evidently disposed to give a second Englishman a welcome. He spoke French fluently, and gave me some interesting statistics about alcohol, which is the principal source of the Government revenue both in Russia and Siberia.* I hesitate, from my own experience, to endorse the opinion sometimes expressed, that the Russians, as a people, are more intemperate than the English. Among them, it is true, the vice seems to pass for less sin and for less shame than with us; but England has the unenviable

* "Alcohol" is spirit obtained from corn and potatoes, and has 95 degrees of strength; "vodka" is the same spirit weakened by water to 40 degrees, and filtered. A bottle of alcohol costs at Vladivostock 2*s.* 6*d.*; a bottle of vodka 1*s.* 3*d.* The Baron was an Esthonian by birth, and he pointed out the remarkable fact that, whilst Esthonia relatively produced more brandy than did other Russian provinces, yet it had the smallest number of shops for its sale. Whether any moral could be drawn from this tale I know not; but I subsequently find on the same opening of my journal two noteworthy entries respecting the Amur. One is that the excise taxes for the Sea-coast province amounted in 1878 to rather more than 20 times the amount realized by all the remaining taxes put together; and the other is the official return to the Emperor, that "the chief causes of crime in the province are gambling and drunkenness." Comment is needless, and I do not here stay to make any, except to observe how humiliating it is that any country which calls itself Christian, be it Russia or England, should derive its largest revenue from that which most demoralizes its subjects.

notoriety of arresting in one year 203,989 persons for crimes in which drunkenness is entered as part of the charges! I can present no statistics on the number of drunkards in Russia. One does see a great many, certainly, on a festival. I was lamenting this to a Russian lady, when she acknowledged its truth, but reminded me that with them the evil is confined chiefly to men; and without doubt, whatever comparison may be instituted between the two countries with regard to drunkenness among the male sex, they have no town in Russia which has more drunken women than men—that apprehends in a single year 6,276 females to 5,537 males, or 32 drunkards a day! For this, alas! we must look to England—to Liverpool. Still, drunkenness is a most fruitful cause of crime in Russia, as witnessed by what I saw and heard in the prisons at Tiumen, Tobolsk, and Barnaul; and it may very well be questioned whether the evil habits among Russians of gambling, drunkenness, and idleness are not in part to be traced to the very large number of holy days in their calendar, on many of which they abstain from work more completely than on Sundays. They fast rigorously and long, and then, at the close, break out in excess.

Teetotalism has not yet made much way among the Russian people or clergy. I chanced, indeed, to be dining in Petersburg in company with a gentleman, who said that the priest of his country parish was an abstainer, whom he sometimes invited to dinner; and when he would give him a little red wine for his stomach's sake, the priest declined, saying that if he did not abstain altogether he might soon become a drunkard, because invited so often to drink by his

parishioners. This case, however, was sufficiently uncommon to cause a lady present to observe that she had never heard of an abstaining priest before. Accordingly, it is with great satisfaction I have observed from the newspapers that the matter has been under the consideration of the present Emperor, and that his Majesty has called in certain experts to advise on the subject. God send them help against this national curse, the demon of intemperance!

My meeting with Baron Stackelberg had an important bearing on my wanderings; for I had intended, on arriving at Khabarofka, to leave the Amur, and proceed direct up the Ussuri to Vladivostock. But so it was not to be, and in less than 24 hours I found myself going 1,250 miles out of my way, and in the opposite direction. But before leaving the Chinese border I must say something of the southern bank of the Amur, concerning which and its inhabitants I have hitherto been almost silent.

CHAPTER XLIII.

THE MANCHURIAN FRONTIER.

Manchuria and its aboriginal inhabitants.—Their history.—The Daurians.—The Manchu.—Visit to Sakhalin-Ula-Hotun.—Manchu dress.—Music.—Conveyances.—Articles of commerce.—Treatment of dead.—Boats.—Methods of fishing.—Archery.—Town of Aigun.—Buildings.—Temples.—Difficulties of access.

I HAVE said very little on what we saw in descending the Amur of the Daurians and Manchu, because I thought it better to reserve a separate chapter for these extra-Siberian people. Manchuria is bounded on the north by the Amur, on the east by the Ussuri, on the west by Dauria and Mongolia, and on the south by Corea and the Yellow Sea. It is, in fact, the country north of Peking, from which city the territory is governed, and with which its history is closely connected.*

* The Chinese applied to the eastern Mongols the name of *Dun-Khu*, whence the name *Tunguses*. And wild they must have been in early times, if the account be true that during the winter they lived in subterraneous dwellings, and smeared their bodies with pigs' fat to protect themselves from cold. The first amelioration in their condition is said to have been due to the conquests of the Coreans, who, in their wars with China, made use of these northern neighbours. When, however, the Coreans fell under the sway of the Chinese, in 677 A.D., the Tungusians, who were subsequently known as the Manchu, retired northwards to the Shan-alin mountains. With the help of many Coreans, they founded the empire of the Bokhai, and the country became one of the most flourishing kingdoms on the eastern sea. The heirs of the power of the Bokhai were the Jurjis, who founded the empire of Kin, and were known as Kin, or Golden Tatars. They dominated over Northern China in the 12th

A few words should be said, perhaps, first of the Daurians, whose territory we passed whilst on the Upper Amur. Of old they were settled along both banks of the river, and doubtless may here and there be found still on the northern bank; but for the sake of clearness I have preferred to treat of them on the southern bank in their proximity to the Manchu, from whom they can scarcely be distinguished in appearance, and with whom they have more in common than with the natives of the north. The Daurians and Manchu, Mr. Howorth says, are of the same stock in every way. The division is a political one only. The Daurians probably represent the section who paid tribute to the Chinese Court, and the Manchu those who were free. Mr. Wahl says that "Daours" is a name given to the Tunguses of the Amur by the Buriats. The Daurians are taller and stronger than the Oronchons, the countenance is oval and more intellectual, and the cheeks are less broad. The nose is rather prominent, and the eyebrows straight. The

century, and were the ancestors of the Manchu. It is not necessary to follow the vicissitudes of this kingdom through the centuries that followed; but in 1618 the power of the Manchu was so well established, that their king made war with China, and repeatedly defeated the emperor. Some years later, a revolution broke out in China, in the midst of which, in 1643, the emperor committed suicide; whereupon the imperial party called in the aid of the Manchu, who drove the rebels out of Peking. The Chinese general was then left to pursue them further south, whilst the Manchu chief, finding the throne vacant, took it for himself and kept it, and the Manchu dynasty reigns in China to this day. These events were followed by very remarkable consequences to the Manchu country and people; for though by conquest they had gained a neighbouring throne, yet the Chinese managed so to fuse their conquerors with themselves, and to get possession of their country, that the Manchu, during the two centuries they have reigned in China, may be said to have been working out their own annihilation. Their manners, language, their very country has become Chinese, and some maintain that the Manchu proper are now extinct.

skin is tawny, the hair brown. The lower classes do not shave the head, and their hair resembles an ill-constructed haystack, around which they twist their pigtail. The higher classes shave the head in front and over the temples, but wear a tail.

The Daurians carry on agriculture successfully, and cultivate vegetables and tobacco. They live in houses made of earth, thatched with reeds or thin bamboos, and have the walls whitewashed inside. The houses are not divided into compartments, and the fireplace is outside, near the door, the smoke from it passing through a pipe into the house. Two iron kettles always form part of the household utensils, one of them for heating water for tea, the other for cooking the food. The windows are large and square, of paper soaked in oil. They are hinged at the top, and are propped open for ventilation. The religion of the Daurians is Shamanism. We saw their canoes from time to time when stopping at wood stations on the Upper Amur, but recognized few of the people themselves.

We saw many Manchu from the Zeya to the Khingan mountains. The southern shores of the Amur are inhabited by Manchu and Chinese, the latter being either exiles or their descendants.* On the south bank of the Amur, opposite Blagovestchensk, is a

* This part of the Amur was erected into a penal colony by the Chinese Government soon after the evacuation of Albazin by the Russians in 1680. Above and below Aigun are 25 or 30 clusters of Manchu dwellings, some of the villages having from 10 to 50 or even 100 houses. In other cases the houses stand solitary, like the Cossack picket-posts I afterwards passed on the Ussuri; and I presume they serve the Chinese for the same purpose in watching the frontier. A noticeable feature about these pickets is that, if there be only a single habitation, there is in the corner of the garden a small building like a sentry-box, which is a temple containing an idol or picture, and where worship is offered.

small Manchu town, called *Sakhalin-Ula-Hotun* (City of the Black River). The Manchu and Chinese formerly called the river above the Sungari "Sakhalin-Ula." The Goldi called the Amur "Mongo," and the Gilyaks "Mamoo." The name Amur was given by the Russians, and is considered a corruption of the Gilyak word. I paid a visit to Sakhalin-Ula on the evening our steamer stayed in the vicinity. It is said to have less than 2,000 inhabitants. I was accompanied by Mr. Niellsen, from the telegraph office at Blagovestchensk, who was slightly known to one of the Manchu merchants. The town stretches a mile along the bank, but extends only a few paces back from the river. It consists of a single street, and is anything but picturesque; for the fences, made of log-frames and covered with board, shut out the view of the gardens, in which are grown millet, maize, radishes, onions, leeks, garlic, Spanish pepper, and cabbages. The walls of the houses are of log plastered with mud, and the windows usually of paper, but occasionally of glass.

The roofs of the buildings are covered with thatch of wheaten straw, and the town is embowered in elms, birches, maples, poplars, and wild apple-trees. This contrasts favourably with the Russian town, where there are few trees except those in the park. Timber, for use of both Russians and Manchu, is cut in the forests 60 miles up the river, and rafted down. They keep plenty of fowls and pigs, and a few horned cattle used for ploughing. Sakhalin-Ula abounds in gardens, which supply the market of Blagovestchensk. Once a month, during the full moon, the Manchu cross the river and open a fair, which lasts seven days. They sell the Russians wheaten and buckwheat flour, barley,

beans, oats, eggs, walnuts, vegetables, U'ssuri apples, fowls, pigs, cows, and horses. Thus the Russians usually lay in a month's supply; but should they require anything out of fair-time, the Manchu are not only ready to supply it, but do so at lower prices than the sums asked by the Russian merchants.

As we walked along the street we met a solitary woman, who ran quickly out of the way, as if afraid of us; and having made a long *détour* from the road, regained it, and continued her journey behind us. The Manchu women dress like the Chinese, in a blue cotton gown, with short loose sleeves, above which the well-to-do wear a cape or mantle of silk, reaching to the waist. The hair is brushed up, fastened on the top of the head in a bunch, and is secured by a comb ornamented with beads and hair-needles, and decked with gay ribbons, with real or artificial flowers. The earrings, finger-rings, and bracelets exhibit much taste. The women are in the habit of carrying their youngest children about with them, tied on the back. The girls, on being released from swaddling-clothes, are dressed like their mothers; but the boys, up to six or seven years of age, wear only a pair of loose pantaloons.

The costume of the men is a long blue coat of cotton, loose linen trowsers fastened at the knee or made into leggings, and Chinese boots of skin. They wear also a kind of vest and a belt, to which is attached a case containing a knife, Chinese chopsticks, tinder, a small copper pipe, and tobacco. Both sexes are fond of smoking, and, as in China, constantly carry a fan.

As we passed one of the houses, we saw a Manchu, sitting out in the cool of the evening, enjoying his music, which he produced by scraping a stringed instru-

ment of the violin order, though it is no compliment to the fiddle to mention the two together. At Khabarofka I saw other musical instruments, coming nearer to the shape of the banjo. One, with three strings, had a long handle of rosewood, and a drum about six inches in diameter. The drum was covered on either side with serpents' skin, but if its sound was no more pleasing than that of the instrument at Sakhalin-Ula, I fear it would generally be thought trying to English ears.

By dint of inquiry, we found the merchant to whom my companion was known, and, on entering his yard, saw some Mongolian sheep, with their enormous tails. It was not difficult to understand particularly fat Thibetan sheep needing a little carriage upon which to support this appendage. One could wish them better conveyances, however, than the Manchu carts, which are of a very clumsy description. They have two wheels fixed to the axletree, all turning together. They are drawn by oxen, and move slowly, creaking along. The Manchu have besides a rough kind of travelling carriage for persons of distinction, a two-wheeled affair, not long enough to allow one to lie at full length, nor with covering high enough to permit one to sit upright. It has no springs, the frame resting on the axle. The sides are curtained with cloth, having little windows or peep-holes. A few cushions and hard pillows inside serve to diminish the effect of jolting. The shafts are like those of a common dray, with a sort of shelf to support the driver sitting sideways about ten inches behind the horse. The wheel tires are of surprising breadth and thickness, and cogged as if made for use in a machine. In fact, a "machine" is exactly the word for the whole concern; and on coming out of the said

machine after a long journey, and its accompanying jolting over execrable roads, it may well be doubted whether one would not feel bruised "all over alike."

Our merchant friend gave us a hearty welcome, and bade us be seated in his house, which closely resembled the house of the merchant with whom we dined at Maimatchin. Usually, when a guest enters a Manchu dwelling, one of the women fills and lights a pipe, and having taken a few puffs herself, and wiped the mouth-piece with her hand or apron, presents it. The people in the house we visited were perfectly ready to show us anything and everything we desired to see. One of them was writing, with Indian ink and pen of split reed, or pencil of squirrel's hair, when, upon observing that I watched him closely, he wrote my name in Chinese on a piece of paper, and gave it me as a souvenir, whilst I did the same in English, and so returned the compliment. They presented me also a bundle of joss-sticks for making a perfume, and which they burn before their idols.

Adjoining the room in which we sat was the shop, where they arrayed me in silk dressing-gowns of splendid quality. Among the articles the Manchu sell to the Russians are silk stuffs, peltry, artificial flowers, felt shoes, matting, etc.; but I saw nothing that so tempted me as the silk dressing-gowns. I forbore to purchase one only because my companion told me that I should get them better and find a larger selection in Japan. We contented ourselves, therefore, with admiring them, to the amusement, apparently, of the Manchu, for they repeatedly imitated not only our speaking, but our words and exclamations of surprise, and even our manner of laughing.

I heard in this town of a strange method of treatment of the dead, for Mr. Niellsen told me they were kept in the house for several days; they are then half buried in a funereal hut in the garden or field. The corpse is daily visited by the relatives, who bring all sorts of food and drink. The food is put to the mouth of the deceased with a spoon, and the drink is placed in small cups outside the hut. A few weeks pass in this manner, and then the decomposed corpse is buried deeper.

Steaming away from Sakhalin-Ula, we passed several kinds of Manchu boats, which present a lively appearance on the river. The junks for heavy merchandise are about 60 feet long, from 12 to 14 feet wide, with high bows and sterns, and a large mast, 40 feet high, amidships. Most of them are built on the Sungari, and have a small hut-like construction at the stern. They draw from three to four feet of water, and are manned by a crew of ten,—eight for pushing at the poles, one to steer, and a pilot on the bows to sound and announce the depth of water. Smaller than the junks are the merchants' boats, with an awning over the state-room, in which the merchant lives, whilst his crew and cargo are stowed in the forepart of the craft. A good deal of valuable merchandise is sometimes carried on board. I remember going to one of them at a stopping-place where the owner showed me a gold watch, said to be of English make, about which, however, when asked for an opinion, I was bound to express my doubts. I thought perhaps the man of business might be disposed to purchase my revolver, for which I had had no use, and found it somewhat in the way. I offered it, therefore, to him for what it cost me. He was accustomed only to the prices of

the common Russian revolvers, whereas mine was of good English make. The figure, therefore, alarmed him, though, perhaps, after an hour's patience, we might have come to terms; but the whistle sounded, and I had abruptly to close our negotiations and make for the steamer.

A Manchu fishing-boat is made of the trunk of a hollowed-out tree, cut in two pieces, fastened with wooden pegs, and secured from leaking with pitch. The small ones are propelled by one man, with a double-bladed paddle. They also make flat-bottomed boats of planks. Most of them carry flags or streamers, and some have dragons' heads on their bows.

The traveller sometimes sees a novel method of fishing by the Manchu, who sit perched on a tripod of tent-poles, ten feet high, placed at the edge of the river. Here the fisherman waits, like a heron, watching for fish, which he catches with pole, net, or spear, according to circumstances. One would suppose the seat must be very uncomfortable, but these tripods, tied at the top, are seen on many sandbars and shoals, showing it to be one of the recognized methods of fishing. I saw also, below Sakhalin, another curious fishing machine, something like a hand-cart, with two small wheels and long handles. A frame over the axle sustained a long pole, from which was suspended a net about the size of a shrimp net. The machine could thus be wheeled into the water, and the snare lowered, after which the net was lifted again with its catch. During winter, when the river is covered with ice, the Daurians practise a third method of fishing, known to the Cossacks as *chekacheni*, or "malleting." Where the ice is transparent, the fish may be seen

almost immovable near the surface of the water beneath it. A few blows on the ice with a mallet stun the fish, a hole is then made, and they are taken out with the hand or a small net.

The Manchu are excellent archers. At the military stations trials of skill take place periodically in the presence of the Mandarins and others.* "To know how to shoot an arrow," writes a Manchu author, "is the first and most important knowledge for a Tatar to acquire." I presume, however, this was written before the introduction of the clumsy Manchu matchlock.

Fourteen miles below the Zeya, and a few hours after leaving Blagovestchensk, our steamer arrived at Aigun, the chief town of the Manchu on the Amur, and once possessing considerable strength. It was formerly the capital of the Chinese province of the Amur, but the seat of government was transferred, some five-and-thirty years ago, to Tsi-tsi-har. It has now a population estimated at 15,000. The town is built on a bank some 8 or 10 feet above high-water mark. The tableland behind the town extends to mountains in a serrated chain, which show themselves

* Three straw men of life-size are placed in a straight line, at distances of 20 or 30 paces the one from the other. The mounted archer is on a line with them about 15 feet from the first figure, his bow bent, and his shaft upon the string. The signal being given, he puts his horse to a gallop, and discharges his arrow at the first figure; without checking his horse's speed, he then takes a second arrow from his quiver, places it to the bow, and discharges it at the second figure, and so with the third; and all this while the horse is going at full speed. From the first figure to the second the archer has barely time for drawing his arrow, fixing, and discharging it; so that when he shoots he has generally to turn somewhat on his saddle, and as to the third shot he discharges it altogether in the old Parthian fashion. Yet for a competitor to be deemed a good archer, says M. Huc, it is essential that he should fire an arrow into every one of the three figures.

as a background to the picture upon the southern horizon.

The Government buildings and several temples are surrounded by a double row of palisades, in the form of a square; and outside this are several hundred mud houses. The town has a gloomy appearance. The houses are nearly all of but one storey, and stand in square yards surrounded by fences of stakes or wickerwork. The only relief to the eye is produced by the gaily-painted temples, which are surrounded with trees, apparently sacred groves, the more noticeable as growing timber is scarce in this region. The temples are square buildings erected with rather more care than private houses. The walls are made of thin poles set up side by side, with the interstices filled with clay, and smoothened. The sloping roof is thatched with straw. As you enter you find yourself in an ante-room, separated from the inner compartment by a curtain running along the width of the temple, and suspended from slender pillars. The curtain being drawn aside, there is seen a table against the wall, upon or over which is a picture of a deity; and on the table lie dried stems and leaves of Artemisia, and some Chinese coins. There is also a semi-globular vessel of metal, with three holes on each side, which is struck by the worshipper, after he has made his obeisance, to attract the notice of the god.*

* Mr. Knox was shown one of the temples of Aigun, which he describes as a building 15 feet by 30 feet, with a red curtain at the door, and a thick carpet of matting over a brick pavement. The altar being veiled, the covering was lifted to allow him to see the inscription. Several pictures adorned the walls, and there were lanterns painted in gaudy colors. "Outside also were paintings over the door, representing Chinese landscapes. The windows were of lattice work, the roof had a dragon's head at each end of the ridge, and a Mosaic pavement extended

I observed at Aigun, as at Maimatchin, the proximity of the temple and the theatre, and noticed poles standing in front of the Government houses and temples. But I am not clear whether they are merely flag-poles or whether they are for a purpose mentioned by Mr. Ravenstein, who alludes to poles fixed on the screens facing the doors of private houses, the upper parts of which poles are ornamented by the Manchu with the skulls of beasts of prey, small flags, and horsehair, and during prayer are hoisted whilst the worshippers lie prostrate.

Very few foreigners have succeeded in gaining admittance to Aigun. Mr. Collins, with Captain Fulyhelm, made a resolute but fruitless endeavour to do so.*

This exclusiveness, however, appears to have abated in after years; for in 1866 Mr. Knox had no difficulty in visiting the town, even when the Governor happened to be absent. He speaks of the streets as having some dry spots, but that otherwise, by reason of the mud, he should describe the measurement of the "broadway" of Aigun as about two miles long, 50 feet wide, and "two feet deep." The shops in one of the principal streets

round the interior of the building. On the exterior of the Buddhist temple we visited near Kiakhta, I observed a symbol in the form of two deer standing on either side of a tree, but I did not notice it again elsewhere.

* Their landing caused a great sensation, and the people gathered in crowds. The Governor received them in a pavilion, and was dressed in richly-figured silk robes, with the cap surmounted by a crystal ball and peacocks' feather. Refreshments were offered, and among them small cups of samchoo or rice wine, and all they said was taken down by scribes; but they were not permitted to visit the city. Previously to this, Admiral Putiatin, of the Russian navy, defied the authorities, and entered the city, as it were, sword in hand; for, permission having been denied him on the pretence that he would not be safe against the insults of the people, the admiral took with him four armed men, and went through the streets. It was on a similar pretence that Mr. Collins was diverted from his purpose.

have open fronts. Here the merchandise is exposed, and the merchant, attired in silks, gravely smokes his pipe till a purchaser enters. Dragons and other figures, cut in paper, are fixed to poles surmounting the shops, and paper lanterns hang across the street. The town has a guard-house and military quarters, and there was pointed out to me, from the deck of the steamer, the fortress and gateway leading to the Government quarter. Over the gateway was a small room, like the drawbridge room in a castle of the middle ages. Twenty men could be lodged there to shoot arrows or throw hot water on an invading foe.

I was not fortunate in getting into the city—not, however, through any difficulty with the authorities (as Baron Stackelberg offered to telegraph to the Chinese Governor to give permission for me to enter), but, owing to delays, our boat was so behind time that the captain could not be induced to lose a couple of hours for the purpose. We stopped, therefore, only a few minutes to take in passengers. Crowds of Manchu and Chinese came to the bank, some of the women having very remarkable head-gear. Men with a cloth about the waist were washing their plump little Manchu horses in the river; and we saw a number of junks drawn up on the banks. These represent some of the Chinese naval force on the Amur,—but only *some*, I suppose—because, when the Russians obtained the river, the Chinese transferred their navy to the Sungari. Towards this river we proceeded, after leaving Aigun, and arrived, as I have said, on the following day at Khabarofka, which may now be called the military capital of the Sea-coast province.

CHAPTER XLIV.

THE PRIMORSK OR SEA-COAST PROVINCE.

Fuller treatment of this province.—Boundaries and dimensions.—Mountains, bays, and rivers.—Climate.—Fauna and flora.—Aboriginal and Russian population.—Government.—Food products.—Imports.—Taxes.—Civil government.—Health of the people.

A STORY is told of a certain preacher who, on mounting his afternoon pulpit, discovered he had brought again the manuscript from which he preached in the morning, whereupon, rising to the occasion, he announced his intention to redeliver the morning's discourse; and, said he, "*I have a particular reason for doing so.*" History does not relate what followed; but I would advertise the reader that I purpose to treat more fully of the Primorsk than of the other provinces of Siberia, and "I have a particular reason for doing so"; the "particular reason" in my case being that I know, personally, a great deal more of this province than of the rest. Through other regions I passed as rapidly as possible, never continuing long in one place; but on the sea-coast I lived, moved, and had my habitation for several weeks. I was stationary simply because I could not get forward, and used my leisure to read up Siberia and arrange notes. Moreover, I had the great advantage of staying with persons who spoke English, who had lived in Asiatic Russia for many years, who knew the country well, and could therefore inform me upon Russian affairs.

Nor was this all, for I was brought in frequent contact with military and naval officers who spoke French and English, and during my stay at Vladivostock was almost a daily guest at the Governor's house, and so was enabled to gather information respecting the condition of the province from official sources.

The Littoral, or Sea-coast province, which the Russians call "The Primorsk," is a strip of seaboard, beginning on the frontier of Corea, and continuing northwards along the coast of Manchuria, round the Sea of Okhotsk and Kamchatka, and terminating at the Chaunskaia Bay in the Arctic Ocean, about 700 miles west of Behring's Straits.* The general aspect of the country is mountainous throughout. Along the Manchurian coast, at a distance of from 25 to 80 miles of the sea, runs the Sikhota-Alin range, a continuation of the Shangan-Alin mountains. The western slope is the birthplace of many streams, which run into the Lower Amur and Ussuri. The eastern slopes drain into the channel of Tartary, those rivers entering the sea having a short course, and being navigable only near the mouth... These mountains attain an elevation of from 4,000 to 6,000 feet. West of the Okhotsk Sea runs the Stanovoi range, which is a continuation of the tableland lying to the north of the Amur, and is estimated, according to Mr. Ravenstein, as

* From this point its inland border runs along the crests of the Stanovoi range to the 55th degree of latitude, then continues southwards to the Little Khingan mountains, thence in a line to the Ussuri and Sungacha, through Lake Khanka, and so to Corea. The length of the province from north to south exceeds 2,300 miles. Its widest part, taken at right angles from the shore, does not exceed 400 miles, whilst at its narrowest, on the Sea of Okhotsk, the western border in some places is not more than 30 miles inland. The area of the province is 733,000 square miles, or about six times as large as the British possessions in Europe.

having an elevation of from 1,000 to 2,000 feet, the highest peaks reaching perhaps to 5,000 or 6,000 feet. Besides these ranges, there are in the peninsula of Kamchatka nearly 40 mountains, evidently volcanic, though not more than a dozen volcanoes now throw out scoria.

On the sea-coast are several bays suitable for harbours, which might become of commercial importance if the district were sufficiently colonized, and good means of communication opened over the mountains and forests of the Littoral.*

The principal rivers of the province are the Ussuri, the Lower Amur, with its largest tributary the Amgun, and in the far north the Anadir, which runs into Behring's Sea. The Primorsk has one or two lakes on the Arctic Circle, also Lake Kizi, which almost connects the Lower Amur with the Gulf of Tartary at Castries Bay, and Lake Khanka, the largest of them all, out of which flows the Sungacha, an important affluent of the Ussuri. What marshes there are in the province are found on the left bank of the Amur.

The variations of climate must of course be very considerable over a tract of country which in the north lies within the Arctic Circle to the 70th parallel, whilst its most southerly point is nearer the equator than the Pole, being situated in latitude 43°, as far south, that

* Thus there are, beginning in the south, Vladivostock and Paseat, and continuing up the Manchurian coast past Olga, Vladimir, and Barracouta Bays, we have De Castries Bay, 135 miles south of Nikolaefsk. De Castries was discovered and surveyed by La Perouse in 1787. It affords good and safe anchorage, and is a kind of ocean port to Nikolaefsk. Other ports further north are Ayan and Okhotsk, and Petropavlovsk in Kamchatka, Olga, Vladivostock, and Paseat are called "open ports," but all of them in winter are ice-bound, unless it be Paseat, which is not much frozen, nor for long.

is, as the Pyrenees. Of the 14 meteorological observatories in Siberia, two are situated in the Primorsk, at Nikolaefsk and Vladivostock. For meteorological information from further north we are indebted to travellers, especially to Baron Nordenskjold.* The climate of Nikolaefsk cannot be recommended to those in search of a mild one.† During the eight months of winter keen winds prevail, bringing snowstorms of such violence and density that I heard of a man losing himself in crossing the street from the club to his own house. The snow lies frequently from four to five feet deep. I stayed at Nikolaefsk from the 13th to the 30th August, during which time the summer was unusually cold. On several days it rained, and, when taking an evening stroll, I did not feel an Ulster coat too warm.‡

Descending ten degrees further south to Vladivostock, we find the summer extending to six and a half months, but with an annual temperature about ten degrees lower than at Marseilles, which is on the same parallel.§

Thus it will be seen that even in the most southerly

* Where the Vega was frozen in, west of Behring's Straits, the temperature sank before the 28th November to 14°·8 below zero, and the newly-formed ice was already two feet thick. On Christmas Day the temperature fell to 31°, and in January to 50°·8, both below zero; whilst the average temperatures for October, November, December, and January were 22°·6 and 2°·1 above, and 9° and 13°·2 below zero respectively.

† At Nikolaefsk, in August 1877, the temperature reached no higher than 82°·8, and sank to 45°·5, the mean temperature of the month being 61°·9. The greatest heat of the year was 88°·2, and occurred in July, and the greatest cold registered was in February, when the thermometer fell to 26°·9 below zero. The mean temperature for the year was only 30°·2.

‡ On the night of August 19th, the thermometer registered 45°·5, and during the preceding day had not risen above 50°. At Greenwich, on the same date, the thermometer registered 49°·7 in the night, and 70° on the preceding day.

§ The maximum temperature at Vladivostock, in August 1877, was

portion of the Primorsk the winter climate is severe. The Bay of Peter the Great, it is true, is not frozen at a certain distance from the shore at any period of the year; yet ice is formed upon its creeks and inlets at the beginning of December, and for more than a hundred days ships are locked in the port of Vladivostock. On the other hand, the summer heat on the Manchurian coast is very great, and rises in the port of Olga to more than 96°.

The climate of the Lower Primorsk is more than commonly dependent on two influences: that of the prevailing winds, and of the temperature of the neighbouring seas. The warm Kuro Scivo, or Japan current, soon after it passes the Loo Choo islands, divides, and a small part enters the Sea of Japan, and, skirting its eastern shore, passes out through La Perouse Strait to reunite itself with the main stream that has kept to the eastward of the Japan archipelago. Under the name of "the North Pacific drift," this Japan current afterwards passes a little south of the Kurile and Alentian Isles, and then turns southward along the western coast of North America. From the north-east corner of the Sea of Okhotsk two cold currents start and run—the one along the coast of the mainland of Siberia, the other down the west side of Kamchatka. Sakhalin is thus on both shores washed by these cold waters, which continue their course southward along the western shore of the Sea of Japan, round the Corea, past the entrance of the Yellow Sea, until, near the island of Formosa, they mingle

89°·1 (the highest of the year); and the minimum was 57°, the mean for the month being 68°·7. In January the degrees of cold registered were 10°·8 below zero, and the mean temperature for the year was 41°·5.

with the monsoon drifts of the China Sea. The effect of this body of cold water along the Siberian coast is obvious, and we find the winter climate far more severe than in corresponding latitudes on the western side of the Pacific or in the Niphon, and the southern islands of Japan. The prevailing winds in winter are from the north and east, and, passing as they do over this same cold sea-water, they get chilled, and add to the rigour of the season. In summer the winds are generally from the west and south-west, and in July the south-west monsoon even extends to the Sea of Okhotsk; and the temperature is abnormally above that of corresponding latitudes. If, however, the climate of the Lower Primorsk and of Eastern Siberia is remarkable for its extremes of cold and heat, drought and humidity, it has at least the advantage of regularity in its yearly progress, and has none of the abrupt changes of temperature met with in Western Siberia. The dry cold of winter, the humid heat of summer, are maintained without sudden changes.*

To the phenomena of the particular climate of the sea-coast correspond naturally the distinctive features of its fauna and flora. The forests one passes through in the basin of the Amur are not, like the *taigas*, sloping towards the Frozen Ocean, composed uniformly

* In the least rainy month, for instance, February, the precipitation, whether of snow or rain, represents at Nertchinsk Zavod only one fifty-eighth part of the rainfall of the wet season. So again at Vladivostock the difference between the snowfall of winter and the rainfall of summer is still greater, the snow representing a quantity about 840 times less than the rain. In 1858, Venyukoff experienced on the Ussuri 45 consecutive wet days, and the annual rains drench the harvests of the Cossacks of the Ussuri, who have not yet learned to imitate the Chinese in accommodating their agriculture to the alternations of the seasons.

of the same species of conifers; but the kinds of trees are very diverse, though their distribution is little varied. With the fir, pitch pine, cedar, and larch are mixed not only the Russian birch, but also the oak, elm, hornbeam, ash, maple, lime, and poplar, some of which grow to the height of 100 feet, with trunks more than a yard in diameter. The bark of the larch is almost as valuable to the tanner as that of oak, and also produces the substance called Venice turpentine, which flows abundantly when the lower parts of the trunks of old trees are wounded. A kind of marrow also exudes from its leaves in the shape of white flakes, which are ultimately converted into small lumps. In the southern parts of the Ussuri country, and on the slopes of the Sikhota Alin, deciduous trees outnumber the conifers. The forest pines are often draped with wild vines, whose grapes ripen, though the cultivation of the vine has not yet been successful. On the Upper Ussuri the Chinese have plantations of ginseng. In the woods grow hazels, peach trees, and wild pears; and what orchards there yet are about the villages show that the Ussuri district might become, for the product of fruits, one of the richest countries in the world.

But the glory of the Lower Primorsk is the wealth of herbaceous plants which grow on the alluvial soils on the banks and the islands of its rivers. Umbelliferous plants, mugwort, roses, cereals of various kinds, form a mass of vegetation to the height of 8 or 9 feet, penetrable only axe in hand, or along the track of some wild animal. The wild boar, the stag, the roebuck hide themselves in these tall herbs better even than in the forest. The tiger as well as the panther

THE SIBERIAN LARCH.

Page 566.

inhabit the bushy herbage of the Ussuri, and there meet also the bear and the sable. Thus the representatives of the south mingle with those from the north in this rich fauna, belonging at once to Siberia and to China.

As regards the inhabitants of the Sea-coast province, in the south are Chinese, Manzas, Tazas, and Coreans, who are constantly travelling, and so cannot well be counted; but, calculating from the registers of births and deaths, their number is estimated at 62,000. North of these, on the Ussuri, are the Goldi, and, on the Lower Amur, another race called Gilyaks, of whom I shall hereafter speak particularly. Proceeding round the Sea of Okhotsk, we come to the territories of the Lamuti," Tunguses, and Yakutes; and then reaching the north-east corner of Siberia, we have three other peoples—the Kamchatdales to the south of the peninsula, with the Koriaks above them, and furthest north the Chukchees. Besides these might be mentioned a few Orochi about the mouth of the Amur, and the Aïnos of Sakhalin and the Kurile islands. Owing to the wandering habits of these tribes, no census can be obtained, but from the church books their number, including both sexes, is estimated at 44,000.*

The province is divided into seven uyezds, and the

* These statistics are taken from the Government books, and they refer to the native population. The Almanack for 1880 gives to the province 76 populated places, and the number of the Russian inhabitants was handed to me at Nikolaefsk, from Government sources, as 20,000, made up of 10,000 naval and military, 1,200 Government officials, 1,800 townspeople, and 7,000 peasants. In the whole province in 1878 the number of (Russian) marriages was 223, excluding those of soldiers and convicts. The number of births was 1,322, of which 96 were illegitimate; and the number of deaths 545 males and 447 females, in all 992, giving a net increase of 330 to the Russian population.

principal towns, beginning from the south, are Vladivostock, Khabarofka, Sophiisk, Nikolaefsk, Ayan, Okhotsk, and Petropavlovsk. The Littoral was erected into a province in 1857, and placed under a Governor who was at once Admiral of the Fleet, Commander of the military forces, and Head of Civil Affairs; and this was the condition of things in 1879—Admiral Erdmann being Governor, and residing at Vladivostock. The military command, however, has since been separated, and given to General Tichmeneff, who resides, I am told, at Khabarofka.

Proceeding now to the natural products of the Primorsk, and the sources of sustenance to its population, we find that agriculture holds a very different place in the upper, middle, and lower parts of the country. The Upper Primorsk extends from Behring's Straits down to Nikolaefsk, and produces no corn. The inhabitants live by hunting, the fur trade, or on grain supplied by the Government.

The Middle Primorsk extends from Nikolaefsk to Khabarofka, which means virtually the basin of the Lower Amur. Only the Russian subjects till the ground, the total cereal produce for the year 1878 being 327 tons, together with 811 tons of potatoes. The cost of meat in this district is from 5*d.* to 9*d.* per English pound, according to the season. The Lower or Southern Primorsk is populated by Ussuri Cossacks, and by voluntary and involuntary settlers. This is the most productive part of the province, the yield for 1878 being more than 1,000 tons of corn and 800 tons of potatoes. Meat costs from 4*d.* to 6d. per lb. Three qualities of wheaten flour are used throughout the Primorsk—the first and second of which are imported

from America. About 15,000 fifty-pound bags (say 330 tons) are sold yearly in Nikolaefsk, the best costing from 4*d.* to 6*d.* per lb., the second from 3*d.* to 3½*d.*, and the third quality, grown at home, from 1½*d.* to 2½*d.* per lb. The price of rye-flour at Nikolaefsk

A DVORNIK, OR RUSSIAN HOUSE-PORTER.

and Sophiisk varies from 1½*d.* to 2*d.* per lb. On the Ussuri it costs rather less, and north of Nikolaefsk 2*d.* per lb. is asked.

Throughout the province the price of fish is from 9*s.* to 24*s.* per cwt.; butter (not fresh) costs from 10*d.* to 1*s.* 1½*d.* per lb.; black tea from 2*s.* to 4*s.* the Russian

pound, and brick tea from 10*d.* to 1*s.* 2*d.* The price of sugar varies from 6*d.* to 8*d.* per lb. Labour throughout the Littoral is scarce. The cost for a man and horse in summer is 6*s.* per day, but in winter 30*s.* a month and hay for the horse. At Nikolaefsk a man earns 3*s.* as a day's wage; a *dvornik*, or night-watchman, gets as much as £3 10*s.* a month without board, and a man-servant £2 10*s.* a month and his food. At Vladivostock, convict women for domestic servants are paid from 16*s.* to 30*s.* a month board wages; mechanics earn from 3*s.* to 4*s.* a day, and common labourers 2*s.* This last is a decided advance on the 18*s.* or 20*s.* a month paid to the wharf-porters at Nijni Novgorod, who live, however, on 8*s.* a month, eating little but bread and *stchee*, the latter being made of good beef, with an allowance of one pound of meat for each person. A half-drunken man at Nijni told me boastfully that in good times he could earn nearly 2*s.* a day; but just then he could get no regular work, and so he said he had taken to drink!

In addition to the home produce of the Primorsk, the Government also imports largely in anticipation of bad seasons and famine, and for the military.* They have, too, in this province a fund for loan to the aborigines to the annual amount of nearly £3,000, and rather more than this sum as a reserve fund for famine purposes.

I gathered from an official report in manuscript,

* In 1878, salt, rice, and millet were imported to the value of £25,000. To the southern part of the province salt comes from China. The northern part is supplied by a Government contract with a merchant who has a monopoly up to 1887 for rye, salt, gunpowder, and lead. For the supply of the soldiers, the Government imported also overland 636 tons of rye; of oatmeal, 285 tons; and by sea 1,400 tons of rye, and 280 tons of oatmeal. The average cost of flour to the Government is at Sakhalin 4*s.* 3*d.* and at Vladivostock 3*s.* 9*d.* the pood.

which I was courteously permitted to see, some account of the taxes of the province. Personal taxes are paid in the north in money or in furs. In money, in 1878, was paid £28, and in furs the value of nearly £800. The whole of the settlers in the Amur district were to be free from personal taxes, land taxes, and recruiting up to 1881. Hence the land taxes of the province amounted to only £90.*

The report above quoted also treated of the health of the people, from which I noticed that vaccination throughout the province had not been wholly successful, partly for want of good vaccine, and partly from the lack of persons qualified to perform the operation. This latter was not greatly to be wondered at, seeing that the yearly remuneration attached to the appointment of district vaccinator was only two guineas, while the work involved much and difficult travelling. In the *towns* from which reports had come, it appeared that of 375 persons vaccinated, only seven cases had failed.

The total number of (I presume *civil*) patients through the province in 1878 was 319 (215 males and 104 females), of whom 247 recovered, 40 died, 32 were still under treatment; the average time spent in the hospital by each completed case being 31⅓ days.†

* For municipal taxes, police, roads, etc., were paid at Nikolaefsk, £1,582; Vladivostock, £1,500; Sophiisk, £140; Petropavlovsk, £70; Okhotsk, £15; and Ghijiga, £11; that is, about £3,320 together. The excise taxes, however, were far higher—namely, for imported liquors, £9,500; home-made beer, etc., £37; home-made liquors, £569; licences, £1,569; fines, £52; duty for *growing* tobacco, 6*s.*, and for selling it, £269; and tobacco fines, £20. This shows an excise income from the province of £12,000, being a decrease on foreign liquors, compared with the previous year, of £4,600, and an increase on home-made liquors of £439; but an increase for licences of £150, and £15 for fines.

† The most frequent maladies were inflammation of the lungs, bowels,

The Siberians generally are said to be remarkably strong and robust, for which the reason has been suggested that all the weakly babies are killed by the climate. What truth there may be in this I know not, but in a table given me by the priest of Vladivostock, showing at what ages had occurred the 102 deaths in his parish, for 1878, it was seen that 58, or more than one-half, died under five years of age; and of these, 37 attained to less than the age of 12 months. Further, 24 died between the ages of 25 and 40, and only four exceeded the age of 50.

The report went on to speak of the civil affairs of the province, its public institutions and communications, the morality of the people and their religious dissensions, the prisons* and statistics concerning

and womb, and heart disease. Under the head of epidemics it seemed that during the year typhoid fever broke out at Nikolaefsk and carried off 21 men. A like visitation, lasting for 18 days, in the Khanka district caused about the same number of deaths. At Sophiisk and Udskoi 248 men were struck down, of whom, however, 244 recovered. The deaths by accident and suicide in the province amounted to 21, ten more than in the preceding year.

* Criminals and their crimes in the Sea-coast Province for five years, 1874—1878.

	1874.	1875.	1876.	1877.	1878.	Total. Male.	Fm.	Totl.
Sacrilege or ecclesiastical offences	...	1	2	...	...	3	...	3
Offences against the Government and insubordination to authorities	4	2	6	1	13	24	2	26
Breaking prison bounds, running away, and liberating others	9	8	38	43	13	109	2	111
Offences against excise laws	12	3	1	2	2	20	...	20
Offences against mercantile laws	...	4	4	5	...	11	2	13
Vagrancy, harbouring vagabonds, and offences against passport laws	13	10	80	22	38	157	6	163
Murder	3	8	14	7	12	37	7	44
Wounding and other kinds of violence	2	2	15	3	11	30	3	33
Personal insult and assault	10	2	5	8	12	35	2	37
Robbery	8	6	62	28	28	127	5	132
Rascality	3	3	11	6	16	36	3	39
Embezzlement and fraud	...	1	1	4	1	7	...	7
Forgery, or counterfeiting notes	...	...	...	...	8	7	1	8
Bigamy	...	...	...	...	5	3	2	5
Offences against marriage laws	...	...	...	...	2	1	1	2
Arson	...	...	...	...	1	1	...	1
Totals	64	50	239	129	162	608	36	644

fire* and floods; but I need enlarge no further upon the Primorsk as a whole. It has been already pointed out that the country can be best described in three sections,—the Upper or Northern portion, the Lower or Southern portion, and the Middle Primorsk, corresponding roughly to the basin of the Lower Amur, to the description of which last I shall now proceed.

* The three fire-engine establishments, maintained at a cost of £534 per annum, are situated at Petropavlovsk, Nikolaefsk, and Vladivostock, their plant consisting of three steam and three manual engines, 26 horses, and 13 water-carts.

CHAPTER XLV.

THE LOWER AMUR.

My plans altered.—A serious alternative.—Khabarofka.—Fur trade.—Post-office and bank.—A Siberian garden.—Started for Nikolaefsk.—The Lower Amur.—Its affluents.—Fish.—A Russian advocate.—Goldi Christians.—Sophiisk.—A procureur.—Lake Kizi.—Mariinsk.—Snow mountains.—Mikhailofsky.—Hot springs of Mukhal.—Beautiful scenery.—Tyr monuments.—The "white village."—Mouth of the Amur.

APPROACHING Khabarofka on the evening of August 8th, I thought that my journeys on the Amur were ended. I had refused advice that I should go on to Nikolaefsk, my great object being to reach Vladivostock as quickly as possible, there embark for Japan, and thence proceed to America. As to how this could be accomplished no definite information was forthcoming. Something was said at Blagovestchensk about a steamer called the *Dragon*, and her periodical trips between China, Japan, Vladivostock, Sakhalin, and Nikolaefsk. Merchant ships also were reported to leave the Siberian ports from time to time, as also men-of-war, returning southwards after spending the summer months out of the heat of the tropics. My friends, therefore, at the telegraph station promised to inquire what ships were to leave Vladivostock, and I was to learn the reply on arriving at Khabarofka. A new factor, however, was added to my calculations by Baron Stackelberg, my fellow-passenger, who under-

stood that his friend, Professor Milne, was staying at Vladivostock. The Baron had telegraphed thither to his agent to inquire of the professor if he were "*plein de voyage*," and if so, whether he would proceed by sea to meet him at Nikolaefsk for a pleasure tour, and then accompany him to Kamchatka. The Baron expected to find a telegram at Khabarofka, and then, said he, "If Mr. Milne come by the *Dragon* to Nikolaefsk, it will be better for you to go there with me, and take the boat on its return to Sakhalin, Vladivostock, and Japan, or you may otherwise have to wait at Vladivostock until the *Dragon* returns."

Such were our thoughts as we approached Khabarofka, where, on arriving, I found, to my dismay, that the Ussuri boat had grown tired of waiting for us, and had gone, and that another would not start for three days.* No message awaited me at Khabarofka, and from the Baron's telegram it seemed that Mr. Milne was not at Vladivostock, but that the *Dragon* had just left, or was about to leave, for Nikolaefsk, to which port, however, there was no steamer proceeding from Khabarofka for several days. I was, therefore, in a dilemma. If I went south, I might have to wait a month for the *Dragon;* and if I stayed for the river steamer to Nikolaefsk, I might lose the *Dragon*, and thus go 1,250 miles out of my way. I fell asleep that night not knowing what to do, hoping that with morn-

* This was bad enough, but not all. There was no inn, post-house, or hotel in the place; the only lodging that offered was a room constructed on a floating barge, without beds or bedsteads, and in which might sleep, on the seats or the floor, Russians, Chinese, Manchu, or anyone else that chose. Here, however, my Finnish friend, M. Kruskopf, came to my aid, and volunteered to get me a bed at the telegraph station, an offer I should thankfully have accepted, but the captain of the *Zeya* consented to my sleeping on board till morning, when he expected to go back.

ing light the way might be clearer. On waking, I learned that the Baron had been to the agents and taken them to task because the steamer going north to Nikolaefsk had also not waited the arrival of our boat as announced. So successfully had he stormed, according to his own account, that the agent had ordered the *Zeya*, instead of going back, to go forward to Nikolaefsk.

At no previous point in my journey had I felt it so hard to decide what to do for the best. On leaving England, my tour had been planned to last three months, a period I had already exceeded, while more than half the globe remained to be traversed. I had, moreover, left in the hands of others editorial duties that called for my return, and now there seemed the possibility of prolonged delay. I looked up most earnestly for wisdom, and determined to be guided by the Baron's advice. Gloomy rumours had reached me of the sad condition of the Sakhalin prisoners, and I asked the Baron whether he thought it at all likely that if I went to the island, and afterwards sent a report to the authorities, it might tend to better the prisoners' condition. He first asked me gravely, though somewhat to my amusement, whether what I was doing was likely to bring the governments of our respective countries into collision, and then, on being assured that I was acting simply as a private individual, he told me that at Vladivostock I should get no information or statistics respecting Sakhalin, since the books were kept at Nikolaefsk, to which place, therefore, he recommended me to go. Accordingly, fortified with the hope of being useful, I decided to do this; but it was not without many misgivings, though out of that

decision sprang results for which afterwards I was deeply grateful. I did not find the *Dragon*, and had ultimately to retrace my steps to Khabarofka; but my going to Nikolaefsk led to the better distribution of more than 12,000 tracts and several Scriptures, and afforded me glimpses of heathen life for which I shall ever be thankful.

The boat was not to start till noon, and this gave me leisure to see something of our stopping-place. Khabarofka stands on a promontory, at the junction of the Amur with the Ussuri, and overlooks both streams from the top of the bluff, in which, in this direction, the Khoekhtsi hills, running at right angles from the coast, terminate. The position is well chosen for a military post, and the town is not without importance commercially. There are several stores, and the merchants trade with the aborigines of the north in furs to the value of £30,000 a year. Whilst calling on a merchant with whom I had travelled, there entered a Chinaman with what looked like a number of dried rabbit-skins hung on his arm. They proved to be sable-skins, almost as they come from the animals' backs, turned inside out. In this condition the natives barter them to the Chinese, who, in turn, sell them to the merchants, some of whom are agents for large firms in Petersburg and Moscow. On this occasion the Chinaman asked seven silver roubles, or a guinea, for each skin, which showed that they were not of high quality.*

* On returning to Khabarofka I found one of my fellow-passengers had bought eight skins, for which he had paid 50*s.* each, and for one for his wife's hat £4. I heard subsequently that the best sable-skins are from the neighbourhood of the Okhotsk sea, and are worth £4 each. My informant, an old sea captain, said that in 1857 he bought 2,000 in

Besides the stores in Khabarofka there is an establishment where they employ 50 men and build steamers, etc., to the value of £10,000 yearly. One of the principal agents of the Steamboat Company lives in the place, drawing a salary of £500 a year, which is thought there a handsome income; but he told me he could not remain, since there was no school near for the education of his children. On entering the post-office, there were to be seen in a large chest, bags, not to say sacks, full of silver roubles, the guardianship of which seemed fully to justify the presence of an armed Cossack, one of whose cloth is always found keeping watch in the post-office and over the mail-bags in transit. The post-office, in fact, is a quasi bank, for on arriving at Nikolaefsk I found that my host kept his banking account 6,000 miles distant, at Petersburg. He paid in his money at the local post-office, and then telegraphed to the capital, upon which his bankers gave him credit for the deposit. There are State banks in Siberia, at Tomsk, Krasnoiarsk, and Irkutsk; but, from the narrow escape I had at Tomsk of being delayed in getting my cash, I was thankful for having exchanged my money in Petersburg for a number of hundred-rouble notes, which I carried in a pocket-girdle.*

Kamchatka at 30*s.*, and that they commanded in New York from £5 to £6 each. Among them were 22 skins for a lady's set of trimmings, which, when made up, cost her £200. The skins of the younger sables, he said, were blacker than those of the older, which are apt to be more or less grey. The former sell better in Berlin, and the latter are highly esteemed in Paris.

* Besides these hundred-rouble notes I took, to pay for horses, £30 in one-rouble notes, the same amount in three and five-rouble notes, small silver coin to the value of 100 roubles, and a bag of copper kopecks, for at the post-houses they are not bound to give change, and the clerks gladly pocket the difference when smaller money is not forthcoming. In

At Khabarofka I visited the garden of one of the merchants, said to be the best in the place. It was 10 years old, full of apple and pear trees, but they were wild ones, transplanted eight years before. None of the apples were so large as a good English crab, and the "Bergamot" pears were as small. The latter tasted something like the quince, and were useless except to preserve for eating with roast meat. Among other trees were the walnut, the acacia, the bird-cherry, a thorn with a berry larger than is commonly seen in England, called *résan;* the *boyarka* or service tree, with bunches of berries like grapes (called *calina*), and the beech. Among the shrubs, plants, and flowers were maize, wild white lilac, raspberries, currants, and strawberries, dahlias, verbenas, wild pæonies, stocks, carnations, and pinks; and among climbers the wild pea, and the Siberian vinegar plant. These, with other flowers, of which I did not know the names, made a fair show for Khabarofka, where the cold winds begin in the middle of September, and snow covers the ground from November to March. In the neighbourhood were abundance of trees common to a temperate region, such as the oak, maple, alder, larch, pine, poplar, willow, and lime. Some prettily overhung the river's bank, which was enlivened with boats drawn up by Manchu and Chinese, some of whom were selling excellent French beans, whilst others were engaged in making and mending shoes.

the peopled parts of the Sea-coast government there is a postal delivery once a week, at Okhotsk once a month, and at one happy place in the far north, I was told, the postman arrives but once a year! They have a "parcel post" in Siberia, by which packets must not exceed £500 in value, nor weigh more than 1 cwt. The rates are, for 200 miles, ¾*d.* per Russian pound, and ¼*d.* per pound extra for every 60 miles up to 1,600. Beyond that distance it costs ½*d.* per pound for every 160 miles.

Having thus made the most of my time at Khabarofka, I once more boarded the *Zeya*, on Saturday noon, for a voyage of 626 miles to Nikolaefsk, in the course of which we were to pass, though not necessarily to stop at, 52 stations. Some were native villages, the names of which had been adopted by the Russians; others were Russian settlements with Sclavonic names; whilst other stations bore double titles, both Russian and native.

The basin of the Lower Amur is bounded on the west by the Bureya mountains, between which and the river lies a flat and partially swampy country; whilst on the east its limit is the coast range already referred to as the Sikhota Alin. The course of the river is north-east. Its principal tributaries flowing in on the left or western bank are the Kur, Girin, and Amgun; on the right bank, the Dondon and the Khungar. The largest of these on the left bank is the Amgun; the largest on the right is the Dondon, which is 500 yards wide at its mouth. At Khabarofka, the Amur has a width of 900 yards; and as we steamed away, the right bank stood out in contrast to the left, which was flat; but after proceeding 20 miles, the character of the scenery changed. Both banks became flat, islands were numerous, and the stream widened to five miles. This kind of scenery continued for the rest of the day, and our evening progress was highly enjoyable, varied now and then by the appearance of the summer yourts of the natives, or the lonely post-stations, deserted in summer, where horses are kept in winter, when the river is frozen and transformed into a road. At the confluence of the Dondon, the river has soundings up to 37 feet, and the channel measures three miles in breadth. This is the

widest part of the river without intervening islands, though 17 miles lower, where the left bank is marshy and dotted with lakes, the entire width extends to 12 miles.*

At Viatskoy, 50 miles from Khabarofka, I stayed on my return journey, and was offered a sturgeon a yard long, which a man had caught, and was keeping in the river tied by a string beneath the gills. Of the fish caught on the Lower Amur, the Russians think very highly of the sterlet, and the sturgeon is costly. For this small specimen at Viatskoy was asked *2s. 6d.*, but in Moscow they said it would fetch £1. They sometimes catch sturgeon weighing from 200 to 300 lbs., and the dried bones and cleansed gelatinous entrails of this fish form a prominent article of commerce between the natives and the Manchu. The bones cost in Manchuria, for culinary purposes, nearly *4s.* per lb., and the gelatine in Moscow *7s.* per lb.

In latitude 50° N., the Amur receives on the left bank, from Lake Bolan, an affluent 900 yards wide and 30 feet deep. Hills now rise on both banks, and at Perm (or Milku) the depth of the river increases to between 50 and 60 feet. At Tambofsk, 280 miles from Khabarofka, the banks become mountainous on either side, the river contracts to an average width of a mile and a third, and soundings often reach to 90 feet; and thus the river continues, for a distance of 60 miles, to Zherebtsofsk. From Zherebtsofsk to Sophiisk, the

* Mr. Ravenstein, in his admirable and generally accurate work (page 187), gives the Amur below the Dondon a breadth in one bed of six miles, and further on a width of 15 miles, including the islands; but I have been unable to confirm these figures from either the chart of the captain of the steamer, or from a well-executed Russian survey of the Amur river at the India Office, which was politely shown me by Mr. Trelawney Saunders.

scenery changes again, the river enlarges, runs between numerous islands and several sandbanks, and at Sophiisk its depth is nearly 50 feet.

Our company on board was small in number, which was to be expected, seeing that the boat was a "special." In the first-class there were only three persons besides the Baron and myself, namely, M. Kruskopf, the telegraph inspector, an advocate, and with him a young man dressed like a Russian shopkeeper. The last two I had observed among the second-class passengers from Kara. We were now brought into closer contact. The advocate spoke French, and I gathered from him that the young man was his client, whose father had recently died, leaving him £20,000. They were come from Central Russia to realize the money, for which the advocate, since he would be occupied at least all the summer, was to have the modest fee of £3,000.*

On the morning after leaving Khabarofka, M. Kruskopf left the boat to visit the station at Troitzkoy, but he did not forget me; for, unasked, he telegraphed to Nikolaefsk to his friends, told them I was coming, and requested them to look after my welfare. The day was Sunday, and I enjoyed a quiet morning in my cabin; and in the afternoon we had steamed 170 miles

* After this I thought the profession of an advocate profitable, and readily believed him when he told me that he possessed in Russia on the Volga nearly 8,000 acres of land, which cost about £1 an acre. It was the best land, he said, in all Russia; 600 acres he used for growing wheat, and the rest for rye, selling his corn to the merchants of Samara. He told me that in forensic matters things are reversed as between Russia and England, that whereas in England a barrister looks forward to being a judge, in Russia a judge (who is paid only £300 to £400 a year) looks forward to being an advocate, which he can become only after spending five years in court.

—to Malmejskoy. Here we saw on the bank some Goldi, who called to my mind pictures I had seen of North American Indians. Some of them had a cross suspended from the neck, which in their case had a meaning; for those who wore it thus were baptized, and so distinguished from the pagan Goldi. I gave a few tracts among these people, and in return received, in one of the villages, a curious salutation. Offering an illuminated text to a little girl, her mother directed her to express her thanks by crossing her hands with the palms uppermost, and then go down on all-fours at my feet with her head to the ground.

At Tambofsk, or Girin, 280 miles further, was a village where, on the return journey in the beginning of September, I bought melons and ripe black currants, the latter good, but with less taste than those grown in England. Other berries, tart but juicy, were offered for sale. Here, too, were lying on the bank some drunken gold-miners, whom the captain refused to take on board in that condition, leaving them till he should call again three weeks later, by which time possibly they might be sober and wiser. I met gold capitalists both at Nikolaefsk and at Vladivostock; but from the report sent to the Emperor concerning the Primorsk, it appeared that in 1878 only 600 lbs. of gold were washed throughout the province, the small quantity being set down to the lack of workmen. At Tambofsk we passed out of the district inhabited by the Goldi, and entered that of a distinct though somewhat similar tribe, called the Gilyaks, of both of whom I shall speak hereafter.

The next place of note to which we came, 412 miles from Khabarofka, was Sofiisk, from which there is a

road 33 miles long by the shore of Kizi Lake to the coast at De Castries Bay. Light draught steamboats can go within 12 miles or less of De Castries; and as the navigation of the mouth of the Amur is difficult, it was at one time proposed to make a canal, or a railway, to connect the lake with the sea. Surveys were made by Mr. Romanoff, but the plan is not likely to be carried out. The steamer passed Sofiisk on my first journey, but in returning we stayed for a couple of hours; and as there was a prison in the place, I presented my letters, and requested to be allowed to see it. Also I gave to the Commandant of the 5th East Siberian battalion, Colonel Ussofovitch, who was stationed there, a box of books and tracts, with a letter in French, asking that they might be distributed among his soldiers. The colonel did not know French, and a young officer, who called himself the "procureur" of the battalion, was called in to interpret. What this gentleman's precise office was, I could not exactly make out, but it seemed to be something between that of a judge and a military head police-master. He took me to see the building, where, to my surprise, were 150 prisoners, many of whom, however, were on their way to Sakhalin. The wooden planking of the footways in the town was miserably out of order, and I hinted to the procureur that since they had insufficient work for the prisoners, it would be well to employ them in repairing the pavements. This idea seemed never to have struck him, and he replied at once that he would consider the matter. The procureur spoke French fluently, though with a Russian accent, and he knew something also of the dead languages, Hebrew among them. He said that he had studied this language

in prospect of becoming a priest; but that, when he could not see his way to £200 a year in the church, he had entered the army, which, he said, "paid" better. In this case, it seemed to me, the Russian Church, by reason of its miserable emoluments, had lost to her clergy a youth of greater intellectual culture than the majority of her priests. The population of Sofiisk was given me as 700 military and 300 civilians, amongst whom I found a ready sale for the Scriptures. At the telegraph office complaints reached me, as at Khabarofka, that they had no means of educating their children, there being no local school.

The Amur at Sofiisk is nearly two miles wide; seven miles lower it expands to upwards of four miles. Thirteen miles beyond, the banks are low, flat, and marshy; but the land is good, and is cultivated by Russian settlers. Here, too, is the town of Mariinsk, the oldest Russian settlement, next to Nikolaefsk, on the Lower Amur, and situated on the right bank of the river, at the entrance to the Kizi Lake.*

Mariinsk was founded by the Russian-American company in the same year with Nikolaefsk, and was a trading post until the military occupation of the river. Difficulties of navigation diminished its military importance, and the post was transferred to Sofiisk, founded in 1858. On an island opposite Mariinsk is

* This lake seems to be an overflow from the river, which here divides into several channels, and looks as if one day in the remote past it would fain have ended its wanderings, and turned off eastwards through the sea-coast range into Castries Bay. The distance from the head of the Kizi Lake to Castries Bay is only 8½ miles. The lake occupies an area of 93 square miles, being 25 miles long and 12 broad. Of the two islets in the lake, one is a rock about 50 feet in diameter. The crevices are full of fox-holes, and the Gilyaks regard it as sacred, assembling there from time to time for their Shaman rites.

the trace of a fort, built by Stepanof, the Cossack adventurer, who descended the Amur in 1654. During the winter he remained here he collected nearly 5,000 sable-skins as tribute. On our return journey we took

A RUSSIAN PRIEST IN WINTER DRESS.

in at this place, as passengers, a priest, his wife, and son; the lady being the daughter of the late Metropolitan Innokente of Moscow, the wonderful priest who, travelling 8,000 miles, crossed Siberia with his translations of a portion of the New Testament into the language of the Kuriles, and then took them back

in print. This lady seems to have inherited something of her father's enterprise, for I have heard recently from a friend that he met her travelling in Western Siberia.

Mr. Collins mentions that from Mariinsk is seen, to the south-west, a very high mountain, with much snow upon it; and Mr. Ravenstein observes that a few miles below Tambofsk, or Girin, may be seen the craggy summits of mountain ranges, at greater or less distance from the river, covered, in places, as late as June with snow. It was after June when I passed down the stream, but I saw mountains to the left with what looked like snow-drifts, or corries filled with snow. My fellow-passengers, however, and especially the Baron, stoutly maintained that I was mistaken, and that what we saw was either chalk or an effect of light. The formation of the rocks on some of the mountain crests was very remarkable, and they were arrayed in such straight lines, here and there, that they looked like the building of Titans rather than Nature's handiwork.

Passing Mariinsk we reached Mikhailofsky, a distance of 526 miles from Khabarofka, on Monday afternoon,—that is to say, in about 48 hours, which was more rapid travelling than the captain had accomplished on the Shilka and Upper Amur. A merchant afterwards whispered to me, however, that it was reckless navigation. The captain had not made the passage before; so, placing a man in the bows with the measuring-rod, and rising above all questions as to where the channel lay, he just shot ahead, suspecting no ill where no ill seemed. Fortunately we ran on neither rocks nor shoals, but I was exhorted

to be thankful that we had not come to grief. Had we been allowed to proceed at this rate we should have reached Nikolaefsk in another 24 hours, but a telegram awaited the captain at Mikhailofsky to say that another boat of the company was coming up from Nikolaefsk, for which he was to wait, then exchange cargoes and passengers, and return. This involved a delay of 30 hours, which gave me an opportunity of visiting a settlers' village, the priest of which informed me that he had in his parish 400 persons, of whom only 15 could read. The forest in the neighbourhood has been cleared, and rye, barley, and oats are successfully cultivated. So, too, are vegetables on the river's bank, for the market at Nikolaefsk. Cucumbers were just coming in, and the people were eating them like apples. When the Baron and I made a morning call at one of the houses, they simply brought forth cucumbers and salt wherewith to regale us. I saw, too, in this village a curious specimen of Russian economy. Not able to purchase whole panes of window-glass, the peasants had used fragments of any form they could get, and fixed them with pieces of birch bark, cut to the shape. Mikhailofsky, however, was not a flourishing village, and it must be added that the colonies of the Lower Amur are generally the least prosperous in the country.

Late on Tuesday evening the promised steamship *Onon* arrived, and I left the *Zeya*, in which I had spent the previous 16 days, and travelled 1,900 miles. Next morning we arrived at a Gilyak village, called Mukhal, near to some hot springs which are said to be beneficial in cases of rheumatism, syphilis, diarrhœa, and goitre. The Polish exile, in whose charge they

are, is allowed their monopoly, and the Government gives him a grant of £50 a year. About mid-day we passed another Gilyak village called Tyr. The Amur here contracts to 900 yards, and from a bold cliff, 100 feet high on the right bank, a fine view is obtained up stream. The river's banks spread to a width of five miles, and well-wooded islands lie between. To the south are dark forests and mountain ridges, and at the back of the cliff is a tableland several miles broad. On the opposite bank enters the river Amgun, which rises in the Bureya mountains, and, after a course of not less than 700 miles, flows into the Amur through a delta covered with forest.

The cliff at Tyr is interesting to the archæologist by reason of its Tatar monuments with inscriptions, the history of which appears somewhat doubtful.*

I went ashore to examine these monuments, of which

* Réclus quotes Von Middendorf to the effect that on the map of Remezov, which appeared in the seventeenth century, a town is marked on this spot as the limits of the conquests of the Tsar Alexander of Macedon, who hid his arms and left there a bell. Such was the tradition of the Cossacks. Again, Ravenstein quotes Witsen to the effect that Russian warriors, 30 or 40 years ago, found a bell weighing 660 lbs. at a place which seems to have been dug round, and near which stood several stones bearing Chinese inscriptions; and he adds that a manuscript of 1678, in the library of the Siberian department, mentions the same facts. My fellow-passengers spoke of the monuments as dating back to the time of Ghengis Khan, and erected to mark the limit of his conquests. Once more, Mr. Ravenstein asserts that one of the emperors of the Yuen dynasty (which flourished in China from 1234 to 1368, A.D.) went by sea to the mouth of the Amur, in commemoration of which he built at Tyr the monastery of "Eternal Repose." To come to our own times, Mr. Collins relates that the inscriptions on the monuments were translated by the Archimandrite Avvakum, who for several years was connected with the Russian Mission at Peking, and who descended the Amur about 1857 as interpreter to Count Putiatin's embassy, then on its way to China. Mr. Collins obtained from an officer a translation from the Russian into English of the Archimandrite's interpretation.

Mr. Ravenstein mentions four—one with a granite base, and the upper portion of grey, fine-grained marble, and another of porphyry resting on an octagonal pedestal. Unfortunately, I could stay only a very short time, as the steamer did not wait. I found two monuments near the edge of the cliff, with characters cut thereon. A third is about 400 yards to the east, on a more elevated point, and on a bare rock foundation. The principal one, which I examined most, resembles a thick upright tombstone, about five feet high. The Archimandrite Avvakum says everything proves that the spot where the monument is standing was once the site of a temple devoted to the worship of Buddha, and in Chinese language was called "*Youn-nen-se*"—that is, the "Temple of Eternal Repose." The two inscriptions on either side—one in Chinese and the other in Mongolian—were written, he thinks, by some illiterate Mongol lama, not thoroughly acquainted with Chinese grammar. On the left-hand side are the Sanscrit words, "*Om-mani-badme-houm*," in Thibetan letters; and beneath, in Chinese, "*Dai Yuan shouch hi-li-gun-bu*"—that is, "The great Yuan spreads the hands of force everywhere." In a second line on the same side the words, "*Om-mani-badme-houm*" are written in Chinese and Nigurian. The inscriptions on the right side contain the same in Chinese, Thibetan, and Nigurian. "And then," says the Archimandrite, "there is nothing more"; about which statement, however, with all deference, I venture to express my doubts; for although I do not read Chinese, and could only examine the monuments for a very few moments, yet I came to the conclusion that whether the interpretation first given be correct or not, it is inadequate, and far

from exhaustive. I saw clearly on the stone some large Chinese characters, perhaps two inches high, and some of the Chinese passengers were able partially to decipher them; but the general appearance of the stone reminded me of a palimpsest manuscript which had been, in the first place, covered with small characters, about half an inch square or less, over which the larger characters had been written. Beside the monumental stone, which was mounted on a pedestal, there were lying near five flat stones, cut across the centres from side to side with transverse grooves, about an inch wide and deep. Mr. Collins says they are supposed to have been altars of sacrifice, once elevated and within the temple, and that the grooves served to conduct the blood of the victim into the proper vessel. Whether this be so or not I cannot say, but they looked to me much more like the capitals or bases of pillars, with the grooves for keeping them in place.* It is much to be wished that the spot should be visited, and the monuments examined by a competent scholar.

Towards evening we passed another Gilyak habitation called the "white village," and afterwards found the banks of the Amur becoming abrupt, the islands low and to a great extent exposed to inundation. We had long been passing out of the region of foliferous trees, and in approaching Nikolaefsk they were almost entirely supplanted by conifers, fir-trees prevailing,

* Mr. Collins speaks of excavations, or pits, within and without the remains of a wall, and mentions also his finding the monuments decorated with wreathed garlands of finely-worked splint, or the stripping of a tree, bound together at intervals with willow twigs. The bases of the monuments also were dressed with shavings of wood, worked to represent flowers, thickly planted around in the earth. These he conjectured to have been, as they probably were, offerings of the natives, who still use the place, I understood, for Shamanistic practices.

birches and some few other leafy trees occurring only in favoured localities. The Amur at Nikolaefsk reaches in some places to a depth of 15 feet, is a mile and three-quarters wide, with a current of from four to five knots. The river enters the sea at a distance of 26 miles from the town, the Liman, or gulf, measuring more than nine miles at its widest.*

Thus, on Tuesday evening, the 13th of August, I arrived at Nikolaefsk, having completed the passage of the Lower Amur. I have said almost nothing, however, of its curious heathen inhabitants, whose acquaintance I am so glad to have made, and to whose description I shall now proceed.

* A mile below the town there are sandbanks, and a bar which prevents the entrance of ships drawing more than 13 feet of water. In fact, from the Continent to the Island of Sakhalin are sandbanks, among which wind the navigable channels, which are liable to change during heavy tempests, so that the pilots are obliged to trace them, sounding-rod in hand. I heard, too, that for strategic purposes some of these channels at the mouth of the river could be filled up, or diverted.

CHAPTER XLVI.

THE GILYAKS.

The Gilyaks, thorough heathens.—Their habitat and number.—Form, diseases, generation, and character.—Habitations.—Living on fish.—Winter and summer clothing.—Methods of fishing.—Dirty habits.—Domestic animals.—Boats.—Marriage customs.—Price of a wife.—Foreign relations.—Manchu merchants.—Conversation with Gilyaks.—Gilyak and Goldi languages.—Education.—Superstitions.—Idols and charms.—Method of bear-catching and killing.—Alleged worship of the bear.—Shaman rites.—Gilyak treatment of the dead.—Romanist mission to the Gilyaks.—Martyrdom of the missionary.

THE Gilyaks were the most thorough heathens I saw in Siberia.* I visited two of their villages—Mukhul and Tyr—saw some of them at Nikolaefsk almost daily, and met a former starosta of the "white" village. I conversed also with an American and an Englishman who had known them for many years; with a French trader among them; with a telegraph engineer whose business took him through the Gilyak country and into their houses; and, further, with three Russian priests, who as missionaries labour among

* Their name is variously spelt Gee-laks, Giliaks, Ghiliaks, and Gilyaks. Living near and resembling in many points the Goldi, the two tribes, for ethnographical purposes, are sometimes classed together as branches of the Tunguse family. But M. Réclus is right when, speaking of the "Giliaks" or "Kilé," he calls them "frères de ceux qui vivent dans l'île de Sakhalin et parents de ces mystérieux Aïnos qui sont l'objet de tant de discussion entre les ethnologistes"; and Mr. Howorth says that the Ghiliaks, called "Fish-skin Tata" by the Chinese, are no doubt sophisticated Aïnos, while the Goldi are Tunguses.

them and the Goldi. From all of these I gathered more or less information, which has since been supplemented by reading; yet it must be owned that, as to all save what meets the eye, we are still very little informed in regard to this people; whilst of their religion (if they have any) next to nothing is known. Few Russians learn the Gilyak language, and few Gilyaks learn Russ.

The Gilyak country extends from Tambofsk (or Girin), about 350 miles south of Nikolaefsk, to the sea-shore near the mouth of the Amur, as well as over the northern half of the island of Sakhalin. The subdivisions of the people on the island are, on the west coast the Smerenkur, and on the east the Tro. To state accurately their numbers is not easy. When I asked a former starosta of the white village what was its population, he replied, "We have 60 men and more women, but the children are not counted." Mr. Collins passed on the Amur 39 Gilyak villages, the population of which he estimated at 1,680.

In stature these aborigines are diminutive, usually below rather than above five feet; their eyes are elongated; the color of the skin tawny, like that of the Chinese; the hair black, and not luxuriant.* The Gilyaks tie up the hair in a thick tail, but do not, like the Manchu and Goldi, shave or cut it; hence they were called by the Chinese "long hairs."

They do not cause malformations of body by pres-

* As Réclus observes, they have not the open and clear physiognomy of the majority of the Tunguses, and their little eyes sparkle with a dull brilliance; they have squat noses, thick lips, prominent cheekbones, and, he adds, "thick beards"; which last I can hardly confirm, but would rather say, with Mr. Ravenstein, that the beard is stronger with them than with the Tunguses, which is not saying much.

sure, mutilation, or incision. Their diseases, in common with the Goldi, are rheumatism, ophthalmia (produced by hunting in the snow), and syphilis, the last having been originally introduced by Manchu merchants. In hereditary cases it is no doubt aggravated by their filthy manner of living. The Gilyaks resort for cure to the hot springs at Mukhul; but the Goldi, having no such springs, frequently die of the disease. Insanity is rare among them. Their women have few children; six is thought a very large family. They strap their babies in wooden cradles very much like a butcher's tray, and suspend them from the roof, as I saw at Mukhul, where the poor little creature was unable to move hand or foot. I gathered from a Russian missionary that the Goldi are thought to be slightly on the increase; but the Gilyaks, from the time the Russians first knew them, have been dying out.*

The winter habitations of the Gilyaks and Goldi are erected in clusters of from two or three to perhaps a dozen. In the '39 villages mentioned by Collins he counted 140 houses. The first Gilyak dwelling I entered was at Mukhul. It was about 40 feet square, built of small posts or stakes, and plastered with mud. The roof was supported by heavier posts at the corners, with cross-pieces on which the rafters rested, and upright timbers supported the covering of larch bark, kept in its place and from warping in the sun

* Dwelling further from the Manchu than the Amur Tunguses, they are wilder; and Réclus observes that they have a greater idea of liberty, acknowledge no master, and are governed only by custom, which regulates their festivals, and determines their hunting and fishing affairs, their marriages and burials. They are certainly courageous in the way they catch and kill the bear, though oddly enough they never willingly get into water, and do not swim.

by stones and heavy poles. Among the cross-beams and joists were nets, skins, dog-sledges, light canoes, hunting implements, fish-baskets of birch or willow twigs, dried fish, herbs, and, in fact, the wealth and working tools of the half-dozen families to whom the house was evidently a comfortable home during a long and severe winter. Around three sides of the interior was a raised divan for a seat and dining and sleeping place, with a flue running underneath, and a fireplace at either end. At the vacant side of the interior were cooking utensils, pots, kettles, knives, and wooden pans; and there were hung to dry various skins and fish, entrails, etc. The house had only this one room, and in the centre was a raised platform, under which in winter are tied the dogs, and sometimes the family bear. The windows were of fish-skin, or thin paper, over a lattice. Besides this kind of dwelling-house for winter, I entered at Tyr a thatched log building, supported and raised on posts several feet above the ground, and out of the reach of floods, dogs, and vermin. The verandah was approached by climbing a notched log. The floor consisted of poles, between which daylight was visible; and in the centre was a box full of earth for the fireplace. The building was used probably in winter for a storehouse; but I found it inhabited as a summer residence. The most prominent objects, both indoors and out, were large racks and poles, on which fish were hung to dry; and the combined odour of fish and fish-oil made it little short of an act of heroism to stay long in a Gilyak's house.

These people do not cultivate the land, but subsist almost entirely on fish. Occasionally they eat the animals taken in the chase, and their dogs, when they

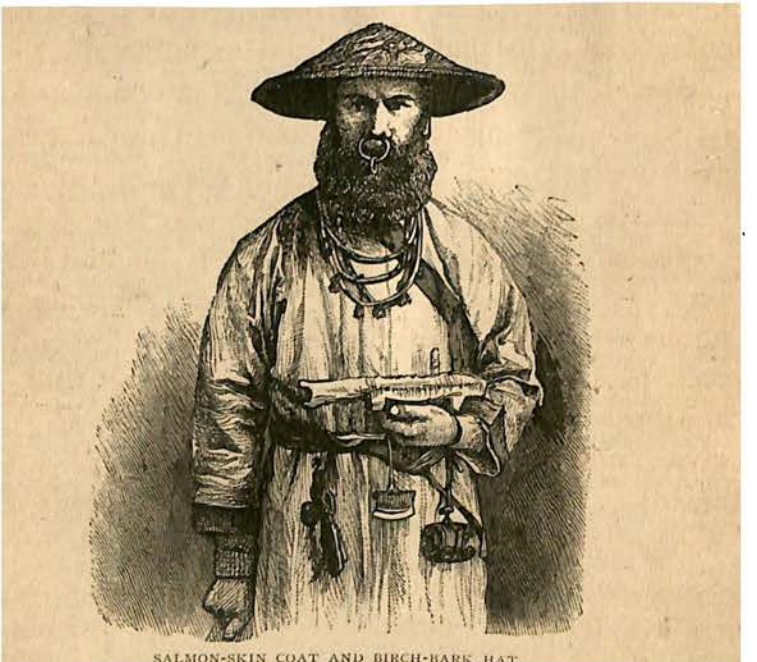
die; while pork and other flesh, with a little millet, are reserved for festivals.*

The favourite winter dress of both Gilyaks and Goldi is made of dogs' skins, or of fox or wolf, as being the next warmest. In summer they wear fish-skin, hence the Chinese called them "Yupitatze," or "fish-skin strangers," though the well-to-do among the Goldi get from the merchants cotton goods, and sometimes even silk. The fish-skin is prepared from two kinds of salmon. They strip it off with great dexterity, and, by beating with a mallet, remove the scales, and so render it supple. Clothes thus made are waterproof. I saw a travelling bag, and even the sail of a boat, made of this material. I had hoped, when leaving Kara, to have found at Ignashina the dress of a Tunguse shaman, but I was disappointed. I succeeded, however, in purchasing at Tyr a fish-skin coat. It is handsomely embroidered, and colored on the back.† The Gilyak hats are made of fur for the

* They are beginning now to use tea, salt, sugar, and bread; but all of these seem to have been unknown to them before the advent of the Russians. I heard it mentioned, as a good trait in their character, that if a Gilyak receives a piece of bread, after eating a portion he takes home the remainder as a treat for his family. During my stay at Mikhailofsky the natives came to barter wild fruit for bread. They are said to have no stated hours for meals, and knives and forks are of course unknown to them. Noticing one day some Manchu and Goldi at a meal, I observed they had boiled millet in basins, which they raised to the lips, and then whipped the millet into their mouths with chop-sticks.

† The men and women dress very much alike. A number of small metal pendants about the size of a sixpence round the bottom of the blouse distinguishes the gentler sex. I purchased, too, at Mukhul some pieces of embroidery on fish-skin, the workmanship of which is thought good in England; whilst at Tyr was given me a kind of fish-skin open work or lace. The blouse of the men is fastened in front, and confined round the waist by a belt, to which is suspended a number of articles of daily use. They consist of a large knife, a Chinese pipe, an iron instru-

winter with lappets; and the Goldi, by sewing together squirrels' tails, make a round fur like a "boa," about five inches in diameter, which, being joined at the ends, serves either for the neck or to encircle the head like a coronet. Their summer hat, of depressed conical shape, is made of birch-tree bark, ornamented on the top by strips of colored wood sewn in patterns. It



SALMON-SKIN COAT AND BIRCH-BARK HAT.

has inside a wooden ridge, and is kept in place by a string under the chin.

The occupations of the Gilyaks and Goldi are fishing and hunting. They use *gill*-nets and seines in some localities, and *scoop*-nets in others. I more than once saw a fence of poles built at right angles to the shore,

ment for cleaning it, steel for striking a light, a bone for smoothing fish-skins and loosening knots, a bag of fish-skin for tinder, and a tobacco pouch, a specimen of which last, somewhat tastefully made of sturgeon's skin, was given me at Nikolaefsk by the chief civil authority.

extending 20 or 30 yards into the Amur. This fence is fish-proof, except in a few places where holes are purposely left for the salmon, which the natives lie in wait to catch with spears or hand-nets. When the fish are running well, a canoe can soon be filled.* Ropes and nets they make from hemp and from the common stinging-nettle, the stalks of which are treated like flax. This latter material is preferred, and makes cordage equal to that of civilized manufacture, though sometimes not quite so smooth. I obtained a specimen of very fine sewing-thread of native manufacture, and exceedingly strong; but colored threads for embroidery are purchased from the Russians or the Manchu.

The habits of the Gilyaks are dirty beyond description. They are said never to wash. A telegraphic engineer told me that he one day gave a Gilyak a piece of soap, which he put in his mouth, and, after chewing it to a lather, pronounced "very good." Both Gilyaks and Goldi have a liking, reverence, or fear for animals. They formerly domesticated ermines for catching rats, the high price of cats confining their possession to the wealthy. On the Lower Amur they find, besides those mentioned elsewhere, the elk, roe-buck, reindeer, and fox; the racoon-dog, wild boar, and lynx; the polecat, hedgehog, ermine, sable, and striped squirrel.† They are fond also of seeing swallows

* In places I saw square pens of wicker-work fixed, to enclose the fish after they pass the holes in the fence. For catching sturgeon they use a circular net, of 5-feet diameter, and shaped like a shallow bag. One part of the mouth is fitted with corks, and the opposite with weights of lead or iron. Two canoes in mid-stream hold this net vertically between them across the current. The sturgeon descending the river enter the trap, and the fishermen divide the "net proceeds."

† "Cats," says Mr. Knox, "have a half-religious character, and are treated with great respect. Since the advent of the Russians, the supply

build in their houses, and to induce them to do so they fasten small boards under the roof, by which these birds have access to the house. The Goldi keep the horned owl (for catching rats), the jay, the hawk, and the kite—the last for no particular use, unless it be for the sake of their feathers for arrows.* The eagle is sometimes seen fastened near their houses, and so are the dogs, which, in winter, are their principal means of locomotion. I saw a large number of them at Mukhul. A team may consist of any odd number from 7 to 17, a good leader being worth 50*s.* and an ordinary dog from 8*s.* to 10*s.* The sledge is made of thin boards five or six feet long, and 18 inches wide, convex below, but straight on the upper edge. A team of nine dogs draws a man and 200 pounds of luggage an entire day, each dog receiving a piece of fish a foot long, and about two inches square, the same in size as suffices for his master. The mode of summer communication is by boats made of pitch-fir or cedar. Besides these the Goldi make canoes of birch-bark. The native sits in the centre, and propels himself with

is very good. Before they came, the Manchu merchants used to bring only male cats, and those mutilated. The price was sometimes a hundred roubles for a single mouser, and by curtailing the supply, the Manchu kept up the market.

* The birds known to them belong generally to the species found in the same latitudes of Europe and America, but there are some birds of passage that are natives of Southern Asia, Japan, the Philippine Islands, and even South Africa and Australia. Seven-tenths of the birds of the Amur are found in Europe, two-tenths in Siberia, and one-tenth in regions further south. Some birds belong more properly to America, such as the Canadian woodcock and the water-ouzel, and there are several birds common to the east and west coasts of the Pacific. The number of stationary birds is not great. Maack enumerates 39 species that dwell here the entire year. The birds of passage generally arrive in April or May, and leave in September or October. It is a curious fact that they come later to Nikolaefsk than to the town of Yakutsk, nine degrees further north. This is due to difference of climate.

a double-bladed paddle. The canoes are flat-bottomed, and very easily upset. When a native sitting in one of them spears a fish, he moves only his arm, and keeps his body motionless. The larger boats are usually rowed by women, the lords of creation sitting in the stern to steer and smoke their long-stemmed, amber-tipped, Chinese pipes. There is one marked difference, however, between the rowing of the Gilyaks and Goldi, for whereas the latter, taking two oars, pull them together, the former pull them alternately—a seemingly clumsy way, but in practice efficient.

Women occupy a low position among the Gilyaks and Goldi, who are polygamists. Mr. Ravenstein quotes a statement of Rinso, a Japanese traveller, that among the Smerenkur Gilyaks polyandry prevails. Betrothal dates from childhood. The father chooses the bride for his infant son, a rich Gold paying from £5 to £20 for a girl five years old. At Mukhul the price of a wife was given me as from £10 to £50, often paid in silk stuffs and other materials, whilst a telegraph engineer named as the selling price for a Gilyak bride, from eight to ten dogs, a sledge, and two cases of brandy, though, if she have "a good nose," she fetches rather more. The bride elect is brought into the house of her future father-in-law, and when the girl is 12 or 13, and the boy 18, they are married.* Should a Gold who has many wives desire to be baptized the Russian missionaries compel him to elect one, and be

* Weddings, however, are expensive, for all the relatives expect to be invited, and they sometimes drink several gallons of Chinese *khanshin*. The drinking of this, I am told, causes not only intoxication, but among these people violence akin to madness. It is sold by weight, and costs tenpence per Russian pound, but its importation is strictly forbidden by Russian law.

canonically married to the object of his choice; the rest being sold, or, by a happy arrangement, returned to their respective fathers at half price. Notwithstanding such matrimonial drawbacks, I heard that among these interesting people there are no unmarried ladies.

The amusements of the Gilyaks are of the nature of gymnastics, such as throwing heavy irons and fencing. They begin early to shoot with bow and arrow, and are good archers. Their foreign relationships are of a very limited character.*

There was formerly at Pul an annual fair, which lasted for 10 days, and was like that of Nijni Novgorod in miniature.† The navigation of the Amur by the Russians has caused this fair to be discontinued, but the Manchu merchants still descend the river, though not in such numbers as formerly, when one voyage sufficed to realize enough for the wants of a

* Before the Russian occupation the Manchu came down the river to collect tribute and dispose of their merchandise. These Mandarins are charged with abuse of power, and with having made extortionate demands upon the natives, who hailed the Russians as their liberators. On the other hand, the Mandarin was supposed to make a small present of tobacco or silk to every one paying him tribute; and among the Gilyaks this present appeared to be reckoned of greater value than the tribute demanded. The Gilyaks, however, living so far off from the Manchu, do not seem to have been much oppressed by them, nor indeed to have been very frequently visited. Sakhalin was visited still less often, but I heard among the Goldi that they decidedly preferred the Russian to the Manchu rule.

† Manchu and Chinese merchants met Japanese from Sakhalin, Tunguses from the Okhotsk coast, and from the head waters of the Zeya and Amgun. Besides these were the Orochi, or Orochons, from the mountains east of the Lower Amur, and Manguns; to say nothing of smaller tribes, speaking nearly a dozen languages, and conducting business in a *patois* of all the dialects. The goods imported were coarsely printed calicoes, Chinese silk materials, rice and millet, also bracelets, earrings, tobacco and brandy, cloth, powder, lead, and knives. These were exchanged for furs, isinglass, and the dried backbones of the sturgeon—the last being highly prized in Chinese cookery.

year. I was informed that they fleece the natives sadly, giving the Gilyaks, for instance, a pint of millet or half a pint of brandy for a sable-skin; and when the natives are made drunk, then, of course, skins are bartered for very much less. The Russian barges, fitted like floating stores, and towed on the river, must have interfered greatly with the Manchu traders, whose sway, it is to be hoped, is nearly at an end. The Gilyaks now come to the Russian towns, especially to Nikolaefsk, and not only sell their fish, but begin to purchase Russian articles; whereas, for a long time, they gave the preference to goods of Chinese make.

I met a family of Gilyaks in a shop at Nikolaefsk, with whom I endeavoured to exchange ideas, through one who spoke a little Russian, and I thought they seemed a people the lowest in intellect of any I had met. The company consisted of a father, mother, two daughters, and a deaf and dumb boy. The man did not know his daughters' age, nor even his own, saying that they kept no account. When asked whether he would sell me his daughter to wife, he replied at first that they did not sell their girls to Russians, not approving the alliance. When pressed further, however, he said that she was already sold (she was about 10 years old, and was smoking a pipe), and he added, "I sold her dearly!" It was difficult, however, in Russ to convey to their minds any but the simplest ideas. Neither Gilyaks nor Goldi have any written signs. The missionary living at Khabarofka has translated into Goldi parts of the Scriptures and the Greek liturgy, using, if I mistake not, Russian characters. The Goldi language, he told me, was much like the Manchu, and that, speaking the former, he

could make himself understood in the latter. Both, Mr. Howorth says, are Tunguse languages. M. de la Brunière writes that Goldi stands to Manchu much as Provençal does to French or Italian.*

The Russians have made some attempts to educate the Gilyaks. When Mr. Knox visited Mikhailofsky, he found a merchant farmer who was acting as superintendent of a school opened at the cost of the Government for the education of Gilyak boys. The copy-books exhibited fair specimens of penmanship, and on the desks were Æsop's fables translated into Russ. Close at hand was a forge, where the boys learned to work, and a carpenter's shop, with tools and turning lathe. The school at that time was in operation ten months a year, and the teacher belonged to one of the inferior ranks of the Russian clergy. I called on the priest at Mikhailofsky and inquired about the Gilyaks, but heard nothing of the existence of the school, and I am under the impression that it is discontinued. The Russians have two mission schools, however, on the Lower Amur, attended by 30 children—one at Troitzka for the Goldi, and another for the Gilyaks at Bolan, near

* I found that the priest was compiling a Goldi lexicon and grammar, and that, for his linguistic labours, he has received a medal from the Imperial Geographical Society. I am indebted to him for some of the words in the following short vocabulary, which will give an idea of the Manyarg, Manchu, Orochon, and Goldi tongues (which are Tunguse) compared with the Gilyak and Aïno dialects, which seem to belong to another family.

English.	*Manyarg.*	*Manchu.*	*Orochon.*	*Goldi.*	*Gilyak.*	*Aïno.*
One	omun	emu	omu	omu	niun	chine
Two	zur	juo	dhjou	dhjour	morsh	tu
Three	ilan	ilan	ulla	ellan	chiorch	che
Four	digin	duin	dii	duyin	murch	yne
Five	.....	sunja	tungha	tongha	torch	ashne
Dog	.....	.....	inda	inda	kan	sheta
Sable	.....	.....	nossa	seppha	.....	.....
Fox	.....	.....	solaki	solli	.....	.....

Malmuish. I heard of one Gilyak boy who had made sufficient progress to qualify him to become a psalmist, or *d'iechok,* in the Russian Church.

Like other heathen tribes, the Gilyaks have many superstitions. They do not allow fire to be carried in or out of a house, not even in a pipe, fearing such an act may bring ill luck in hunting or fishing. The same superstition is found in many parts of Russia. They appear, too, to be fatalists; for an Englishman at Nikolaefsk told me that if one falls into the water, the others will not help him out, on the plea that they would thus be opposing a higher power, who wills that he should perish. A Russian officer and his family were drowned some time since near the town, within easy reach of the boats of the Gilyaks, who could have saved them, but they did not attempt to do so.*

The Gilyaks believe in wooden idols or charms as antidotes to disease. I had practical illustration of this at Tyr, where I wished to buy some of the little amulets belonging to the head of a household; but he was at first unwilling to sell them, saying that he had found the wearing of them very efficacious in sickness. The offer of a silver piece, however, changed his mind;†

* These aborigines do not bear a favourable character. Schrenk says that the Gilyaks of the mainland are avaricious and covetous in their commercial transactions, but that among those of Sakhalin this propensity seeks satisfaction in theft and robbery. I shall presently relate a case in which they murdered a missionary apparently for the sake of getting the little merchandise he possessed.

† Sometimes they wear amulets fashioned like the part afflicted. A lame or injured person carries a small leg of wood, an arm, a hand, reminding one of the wax and silver arms, legs, hands, and hearts seen in churches on Roman images, and on the pictures of Russian saints. The missionary at Tyr gave me, in exchange for tracts, a charm to which is attached a stone, and also two rough wooden fish gods—one with a tail, the other without. The Gilyaks use these images or idols also in their Shaman worship.

and he afterwards sold me not only his own, but those of his baby, one of them like a doll in a sitting posture; and after I had left the house, he sent after me a fish rudely cut in wood, and meant for a sturgeon, with a little god seated on his back. This had been used, apparently, not long before, on a fishing expedition, for there was gelatine and fresh blood in the mouth of the fish and the god. Sometimes poles shaped like idols

GILYAK IDOLS OR CHARMS.

are placed before the houses. Another kind is carried as companion to the native on his journeys, whilst some are placed upon the summits of the mountains.

Other idols are in the form of the tiger, bear, etc., which animals are closely connected with their superstition, if not their religion. The tiger is said to be feared much more among the Gilyaks than the Goldi, and its appearance portends evil. If the remains are found of a man killed by a tiger, they are buried on the spot without ceremony. On the other hand, if a cow is found killed by a bear, it is eaten with

great glee and rejoicing. It is said that neither Gilyaks nor Goldi attempt to kill the tiger. Neither do they hunt the wolf, to which they attribute an evil influence. With the bear, however, things are very different. There is in each Gilyak village a bear cage. I saw them at both Mukhul and Tyr. They speak of the captive as *Mafa*, that is, "Chief Elder," and to distinguish him from the tiger, who is *Mafa sakhle*, that is, "Black Chief." In hunting the bear they exhibit great intrepidity. In order not to excite his posthumous revenge, they do not surprise him, but have a fair stand-up fight. When it is not desired to secure the animal alive, the natives use a spear, such

GILYAK FISH-GOD OR IDOL.

as I saw at Krasnoiarsk, the head of which is covered with spikes. It lies upon the ground, having cord attached to the centre, and held by a man, the spear-point being towards the bear. As Bruin advances to the man, the spear-head is raised from the ground, and the beast throws himself upon it, but finds the chevaux-de-frize a disagreeable object to embrace. He is then set upon by the huntsmen and killed. It is much more interesting sport to catch a bear alive. A party of ten men or more enter the forest provided with straps, muzzle, and a collar with chain attached. Having discovered the whereabouts of the bear, he is surrounded, and one of them, jumping upon his back

in the twinkling of an eye, seizes hold of his ears. Another quickly fastens a running knot round the neck of the beast, and almost suffocates him. He is then muzzled, the collar passed round his neck, and he is led in triumph to the village to be put in the cage, and fattened on fish.* Bruin is not imprisoned, however, to be treated like the sacred bulls of Egypt. On festivals he is brought out, his paws tied, an iron chain put in his mouth, and he is bound between two fixed poles, an involuntary witness of the natives frolicking around him. On very grand occasions he takes a more direct share in the festival by being killed with superstitious ceremonies.† The people then go home, their chiefs staying to cut up the bear, the flesh of which is distributed to every house, and eaten with great zest, as food calculated to inspire and bring courage and luck. The head and paws, however, are treated with great reverence.‡ These ursine cere-

* When secured as a cub, he is frequently kept for three or four years. The natives are often seriously wounded in these encounters, but to this they do not object, since such wounds are thought to be marks of prowess, and to be killed by a bear is deemed a very happy death. Most of the writers on the Gilyaks mention this extraordinary procedure; and I heard it confirmed at Mikhailofsky by the missionary.

† The day falls in January of each year, and an Englishman at Nikolaefsk, who had been an eye-witness of the spectacle, described it to me thus: "The bear is led from his cage, dragged along and beaten with sticks, and presented at every house in the village; thus he gets exasperated to a high degree. He is then led to the river to a hole in the ice, where they try to make him drink water, and from a platter to eat food, though only a spoonful, both of which in his excited state he refuses, and which is precisely what they desire. He is then dragged back with shouts to the place of sacrifice, where, having been fastened to a post and allowed to repose awhile, he is shot through the heart with an arrow."

‡ Among the Gilyaks the head is kept by the patriarch of the village, and prayers are said to be offered to it for the space of a week. I was told at Nikolaefsk that the Gilyaks often bring bears' skins to sell; but by no chance do they bring, or can they be induced to bring, a hide with the

monies have, no doubt, given rise to the statement that the Gilyaks worship the bear. Mr. Collins goes so far as to say that they consider the bear an incarnated evil spirit; and the missionary at Mikhailofsky, in answer to my question, was not sure, but he thought it quite likely that they worshipped the animal. It is only proper to say, however, that when I met at Nikolaëfsk the former elder of the White village, and asked him whether it was true that they worshipped the bear, he denied it, and said that they killed it as we should do any other animal for a feast; and that each village was bound in turn to provide a bear, on which occasion other villages assembled and joined in the banquet. I then inquired what was the religion of the Gilyaks. He said they had none, but upon being asked to whom they prayed, he looked up to the skies. He acknowledged that they practised Shamanism, but added that that was a mystery.

Thus far I have frequently used the word Shamanism, but have deferred explaining it till I treated of the Gilyaks, some of whose Shamanistic practices were described to me by an eye-witness—the telegraph engineer, to whom I have before alluded. The Gilyaks and the Siberian natives generally believe in the existence of good and bad spirits; but as the former perform only good, it is not thought necessary to pay them any attention.*

head or paws attached. The ears, jaw-bones, skull, and paws are sometimes hung upon trees to ward off evil spirits. Occasionally the skull is split, and suspended in their houses; and Mr. Knox observed in a Goldi house that part of one wall was covered with bear skulls and bones, horse-hair, wooden idols, and pieces of colored cloth.

* Mr. Collins does indeed say that the true God is adored without the shamans in autumn, and then by the whole community in mass, but I am unable to confirm this from anything I have read or heard. It would

The shamans, or priests, who may be male or female, are regarded as powerful mediators between the people and the evil spirits. The shaman, in fact, combines the double functions of doctor and priest. When a man falls sick, he is supposed to be attacked by an evil spirit, and the shaman is called to practise exorcism. There is a distinct spirit for every disease, who must be propitiated in a particular manner. The performance was thus described to me. The shaman puts on a huge bearskin cloak, which jingles with bells, pieces of iron, brass, or anything which will help, when shaken, to make a noise; the whole sometimes weighing as much as 100 lbs. He begins by singing in a monotonous murmur, and drinks brandy. Both patient and doctor are usually decorated with strips of wood or shavings, hanging round the waist and head. By the side of the patient are placed idols and brandy. The shaman sits on one side and the audience on the other. He approaches, drinks more brandy, begins to sing and jingle his bells, and gives brandy to the spectators. On the table are placed idols, fish, a squirrel's skin, millet and brandy, and a dog is tied under the table. The eatables are offered to the idols, and then distributed to be consumed by all present. Meanwhile the shaman contorts his body, and dances like one possessed, and howls to such an extent that Chinese merchants, who have come out of curiosity, have been known to flee in very

seem rather that all their efforts are directed to induce the evil spirits not to act; for these evil spirits are supposed to have power over hunting, fishing, household affairs, and the health and well-being of animals and men. Accordingly I inferred that Shamanism, so far as it can be called a religion, is one of fear, and not of love; that it is something for times of sorrow, such as death, sickness, and calamity, and not for occasions of joy or thanksgiving, as a birth or a wedding.

terror. He also beats a tambourine, and sometimes falls prostrate, as if holding communion with the spirits; and this kind of thing sometimes goes on for three days and nights, as long, probably, as provisions and spirits hold out, after which the patient is left to believe that he will get well; and the shaman receives his fee, which may be a reindeer, a dog, fish, brandy, or whatever the patient can afford. The shamans possess great power over their deluded subjects, though they are said to be somewhat held in check by the belief that, should they abuse their authority over evil spirits, to the detriment of a fellow human being, they will hereafter be long and severely punished. Their punishment is supposed to await them in a nether hell, dark and damp, filled with gnawing reptiles. A good shaman, however, who has performed wonderful cures, receives, after death, a magnificent tomb to his memory.

The treatment of the dead among the Gilyaks would seem to vary. Réclus and Collins say that some tribes burn the dead on funereal pyres, and build a low frame over the ashes, and that others hang the coffins on trees, or place them on a scaffolding near the houses. The French trader at Nikolaefsk told me that in winter they wrap up the dead and put them in the forked branches of trees, out of the reach of animals, till the ground is thawed, and then, he supposed, the corpse was buried. The soul of the Gilyak is supposed to pass at death into his favourite dog, which is accordingly fed with choice food; and when the spirit has been prayed by the shamans out of the dog, the animal is sacrificed upon his master's grave. The soul is then represented as passing underground, lighted and guided there by its own sun and moon, and continuing to lead

there, in its spiritual abode, the same manner of life and pursuits as in the flesh.

The Russians have missionaries among the Gilyaks, but the Greek Church cannot claim the honour of bringing Christianity first among them. This belongs to a Roman missionary, M. de la Brunière, who perished in his endeavour.* On April 5th, 1846, he addressed a letter to the directors of the Seminary for Foreign Missions, telling them of his plans, and how strongly a Chinese friend tried to dissuade him, "representing to me the troops of tigers and bears which filled these deserts; and, whilst relating these things, he sometimes uttered such vehement cries that my two guides grew pale with horror. Being already a little accustomed to the figures of Chinese eloquence, I thanked him for his solicitude, assuring him that the flesh of Europeans had such a particular flavour that the tigers of Manchuria would not attempt to fasten their teeth in it."†

Then follows a touching portion, in which he writes:—"About the 13th or 15th of May, I will buy, if it please God, a small bark, in which I may descend the Amur to the sea to visit the 'long hairs.' I shall go alone, because

* Mr. Ravenstein states that the efforts of the Roman Catholic missionaries in Manchuria may be said to date from 1838; and in May 1845 M. de la Brunière left Kai Cheu with the intention of seeking the conversion of the "long-haired" people—that is, the Gilyaks of the Amur. This was before the Russian occupation of the river, and at a time when thus to wander, without permission, was contrary to Chinese law and full of danger, to say nothing of the difficulties of locomotion.

† M. de la Brunière then describes his fatigues, his only food being millet boiled in water. "You must cut and drag trees, light fires (necessary against the cold and tigers), prepare your victuals in wind and rain, and all this in the midst of a swarm of mosquitoes and gad-flies, who do not suspend their attacks till about 10 or 12 in the evening. Water and wood were abundant at first, . . . but 30 leagues from the Ussuri, the springs became so scarce that we were compelled to do like the birds of heaven, and eat the millet raw."

no one dare conduct me. I am well aware how difficult it will be to avoid the barges of the mandarins who descend the river from San-sin ; but if it is the will of God that I arrive where I design going, His arm can smooth every obstacle, and guide me there in safety; and if it please Him that I return, He knows well how to bring me back."

He went, and at the White village was murdered.* I passed the spot a few hours before reaching Nikolaefsk, and the bay was pointed out where the missionary was put to death. My fellow-passengers said that De la Brunière reached the place with a baptized Mongol, whom he sent back on the day of his arrival, after which he proceeded to show the Gilyaks his watch, crucifix, spoons, etc.; and that two days after his arrival, they killed him on a small island where he had taken up his abode. One of my fellow-passengers was the Russian Lieutenant Yakimoff, who in 1857, with the Governor of the province, visited the village, and found the Gilyaks who had committed the murder. They had still in their possession the watch, crucifix, and spoons, which the Russians bought. During my stay at Nikolaefsk I met, as I have said, a former starosta of the White village, who told me that he had heard from his father the story of the missionary. Thus perished the first man who attempted to carry Christianity to the Gilyaks. What the Russians are doing among them I shall refer to when speaking hereafter of their missions to the neighbouring Goldi.

* Four years after, M. Venault was sent to the Lower Amur partly, if possible, to clear up the fate of De la Brunière. On arriving at what is now called the White village, he found no difficulty in ascertaining how matters had gone. M. de la Brunière, it seemed, was preparing his meal in a small bay, when ten men, attracted by the prospect of booty from the strange priest, went towards him, armed with bows and pikes. Having hit him with several arrows, seven of them struck him with their pikes, and the last stroke fractured his skull and proved mortal. This act consummated, the assassins divided the spoil.

CHAPTER XLVII.

NIKOLAEFSK.

My arrival.—Visit to prisons and hospitals.—Health statistics.—Siberian hospitals in general. — A Sunday service arranged. — Visits to inhabitants.—Russian customs, superstitions, and amusements.—Dancing.—Nikolaefsk town, arsenal, and commerce.—Mr. Emery.—Russian bribery.—Cost of provisions and labour.

NIKOLAEFSK, founded in 1853, rapidly grew into importance, but gradually waned after the removal of the "port"; and as our steamer approached on a cloudy evening, I seemed to have arrived at a very dismal and out-of-the-way part of the world. My spirits, however, had risen appreciably during the day. The perplexity in which I left Khabarofka, and my uncertainty as to how to reach San Francisco, have been alluded to; but on boarding the *Onon* I met Mr. Enoch Emery, an American merchant of Nikolaefsk. After almost disusing my native tongue for three weeks, I was able to speak again in English, and I now learnt that for £90 a first-class ticket might be taken from Yokohama in Japan to Euston Square in London, including food whilst traversing the two oceans, an allowance of 250 lbs. of luggage, and railway tickets for America and England. It was not so clear, however, how Japan was to be reached. The *Dragon* was not expected at Nikolaefsk, I heard, nor was there any regular means of getting away other than by re-

tracing my steps to the Ussuri and Vladivostock. A Russian gunboat had been lying at the mouth of the Amur, the previous day, with provisions for Dui in Sakhalin, by which it was suggested that I might get a passage to the island, and perhaps be trans-shipped to Japan or China on some chance vessel calling for coal. But when we reached Nikolaefsk this gunboat had started a few hours before; and thus I landed—with regard to my future movements—as full of uncertainty as ever.

I had fallen, nevertheless, into good hands; for, in talking to Mr. Emery, it transpired that we had common friends in Petersburg, one of whom had spoken to me of the Amur, and would gladly have given me introductions, had I not persisted in saying that I did not intend to go so far. Mr. Emery invited me to be his guest—an invitation doubly welcome in a place where was no better hotel than a beershop, and because with him I should have the advantage of conversing in English.

Baron Stackelberg was lodged near me, and in the morning we went to the chief civil authority, M. Andreyeff, to whom I was introduced as a person desirous of information about the prisons of Sakhalin, and of a passage, if possible, to the island. To my surprise M. Andreyeff also was acquainted with some of my friends in Petersburg, and he at once promised the information; but it was uncertain, he said, when a ship would leave again with provisions.

The police-master was sent for to take me to see the prisons of the town. The police-station was the first building we entered; it contained a few rooms for temporary accommodation. In one of them were

flogging instruments I had heard of at Kara and elsewhere, and had vainly inquired for more than once. I have no reason to suppose, however, they were hidden from me in other places, a lawyer having told me that the troichatka, or plète, was used only at Kara, Nikolaefsk, and Dui. What they were like shall be told hereafter. I will only say for the present they were the most terrible things of the kind I had ever seen. There was a guard-room in the station where Cossacks were sitting on the floor, eating with wooden spoons from a common saucepan, and other rooms occupied by clerks and officials. I was then taken to the town prison, containing 68 prisoners in half-a-dozen rooms. Some of the men had just come from the bath, the advantages of which were patent. But I do not recollect seeing accommodation in any of the Siberian prisons for washing the hands and face except at Tomsk, where was a sort of caldron mounted on a tripod, and from which, through four tiny pipes, water was forced, in Russian fashion, to trickle on the hands. I fancy, however, that not only with prisoners, but among the lower classes generally, minor ablutions between the weekly or fortnightly steaming of the bath are regarded more or less as supererogatory.

In the western suburb of the town was the *étape*, a prison in which 150 persons could be lodged on their way to Sakhalin. Detached, but not far distant, was the kitchen, in which were convicts of good behaviour, allowed the run of the town by day, though compelled to sleep in the building at night. They could thus earn money if they chose.* Both prisons

* So rare is it for them to see a visitor to the prison in these parts, that some of the men supposed I was sent by some foreign Government to

THE ÉTAPE PRISON, NIKOLAEFSK.

Page 616.

in the town were reported to the Emperor as "old, and built of bad material, wanting proper sanitary arrangements, and inconvenient for their purpose."

A similar description would have been not far wrong of the Nikolaefsk hospitals, of which there were three —two military and one civil. In the civil hospital, partly supported by voluntary contributions, they were sadly cramped for room—so much so that, in one chamber, alongside of other patients was a boy suffering from small-pox. The chief doctor had, on his own account, opened an extra room for the blind and the infirm.* In the hospital of the 6th East Siberian battalion were 24 beds only, whereas by law there should have been 48. Happily only five beds were occupied at the time of my visit, and the list of diseases treated in the hospital during the preceding 18 months appeared to show that the medical staff were doing their work successfully. The chief physician was a German, as are many of the doctors in Russia, and he took great pains to acquaint me with all I wished to know.† I found some large hospitals for the navy at Vladivostock, with 108 patients at the time of my

inquire into their condition; and I heard that they subsequently came to seek me with a written paper, but I was not in the house when they called. My position having been explained to them, they declined to leave the paper, and so I heard no more of the matter.

* They received from Government only £15 per annum for a clerk, paper, and ink, and so were unable, they said, to get books for the patients. I was glad therefore to send, and they were thankful to accept, 50 copies of the New Testament—two for every room, and the remainder to be given to departing convalescents who could read.

† In 1878 there entered the hospital 347 cases, suffering from 39 diseases, of which the principal were: bronchitis, 46; syphilis, 42; fevers, 39; pleuritis, 26; internal cold, 18; rheumatism, 14; and so on in diminishing numbers. During the six months immediately preceding my visit they had received but 83 patients, whilst for the entire year and a half 13 patients only had died. Besides these they had treated a large

visit; but the hospital that pleased me most in the province, not to say in all Siberia, was that at Khabarofka, built on the newest principles, and leaving nothing to be desired.*

They have in the Sea-coast province no madhouses, properly so called; but lunatics are treated in a ward of the Nikolaefsk hospital. Of eight cases during 1878, four recovered, two remained, and two died. Besides these hospitals I have named, there is in the province one each at Petropavlovsk, Ghijiga, and Okhotsk. Looking at the Siberian hospitals with an unprofessional eye, I may say that they struck me as fairly good. I have twice met Englishmen in Russian hospitals,—one at Archangel, and the other in the Urals,—and they both said they had every attention. The hospitals of the country are supported by the Government, by the army, navy, and civil departments respectively. None are supported entirely by voluntary contributions. Government servants, being poor, pay nothing. Civilians pay, and one of the good features of the Russian hospitals is that persons of the middle classes may enter, and by a small extra payment receive medical attendance and superior accommodation.†

number of slight ailments of out-patients, and given advice to promiscuous applicants to the number of nearly 3,000.

* It was fitted for 100 male and five female patients, with superior rooms for officers, and a separate apartment for syphilitic diseases, in which last was a mad Russian soldier, who in early life had been a travelling acrobat, and who inveighed to me in French against the doctor, who, he said, kept him there in confinement. Hereditary syphilis was reported to the Emperor to be the most dangerous disease in the province, for an inquiry into which a commission of four persons, with the whole medical staff, had been appointed. In a hospital in Ekaterineburg I found half the patients, at Vladivostock one-third, and in Krasnoiarsk one-fifth, suffering from syphilis, and in Kamchatka they have a barrack for the treatment of this disease only.

† Thus at Perm, whilst a poor patient was received into the hospital at

The Siberian towns seemed fairly well supplied with medical men; but it was rather appalling on the Ussuri to hear from a telegraph official that he had no medical man within 200 miles to the south, and 300 to the north.*

My coming to Nikolaefsk did not long remain unknown, for it was suggested that on the Sunday I should conduct a service, there being no resident Protestant minister, though they had a Roman chapel in the town. The pro-Governor, Mr. Andreyeff, readily gave his sanction, offered his house for a place of meeting, and sent round by the police a notice requesting all to sign who purposed to attend. More than 30 signed, and before Sunday several called on me. I was invited to a dinner on my first Friday in Nikolaefsk. It happened to be the birthday of Mr. Schenk, the worthy manager of the principal store. The shop was closed, and his friends called in the morning to felicitate him, and to drink and eat nick-nacks from a sideboard. In the evening a capital dinner was served with asparagus and preserved fruits, which it was hard to realize we were eating in one of the most dreary parts of Siberia, where they have seven months' winter, and where the navigation does not open till the end of May. Several at table spoke English, and near me sat a merchant who had lived in the Sandwich Islands and in Kamchatka. Mr. Emery

the rate of ten days for 5*s.*, better accommodation could be secured for 1*s.* 4*d.* a day. At Vladivostock civilians paid 1*s.* 9*d.* a day, the price being fixed on a three years' average.

* This probably is worse towards Kamchatka; for in 1878 there were four medical posts vacant—that of chemist at Nikolaefsk, and doctor at Sofiisk, Ghijiga, and Okhotsk respectively—not a matter for much wonder, seeing that the salary at the best was but £40 a year!

the same week had a party to lunch; and Mr. Andreyeff gave a dinner in his garden to some of my fellow-passengers, myself, and the military commandant. The dinner began with "schnapps," and among the dishes was a salmon pie, with rice on the top, the dinner ending with cream and wild raspberries, of which last there were bushels growing outside the town.

I made the acquaintance also of some of the naval officers, such as the captain of the *Ermak*, to whom I gave books for his men, and Lieutenant Wechman, the captain of the port. The latter was a Protestant, who invited me on the second Sunday to hold the service in his house, which I did, and sent books for the barracks of the men under his command. These social occasions gave me opportunities to see something of Russians at home, their customs, superstitions, and amusements. Tea was usually offered whenever a call was made; and as lemons were not to be had so far away in summer, a spoonful of jam was often put in the glass instead. They have a custom in Russia of addressing friends, or those to whom they wish to be polite, by their Christian name plus their patronymic, or Christian name of their father, which in the case of Mr. Emery sounded odd to me to hear a lady ask, "Enoch, son of Simeon, may I give you a glass of tea?"*

Among the superstitions of the Russians may be mentioned the not liking to begin a journey on a

* This is a Semitic custom which has been retained by the Russians. Even the Emperor and all members of the Imperial family are so addressed—one reason given for the preference of the Christian to the family name being, that to be a Christian is a greater honour than to be an earthly noble.

Monday. The Governor-General of Western Siberia told me he usually chose that day expressly, in order to avoid the crowd of fellow-passengers. Nor do they like to take edge-tools from another person's hand, nor to pass the salt, or, if it be done, the person who receives must smile blandly to break the spell. Again, when a man is starting upon some special business, he thinks it very unlucky if the first person he meets in the street should be a priest; and if the eyes of one dying are not closed by a friend, it is imagined that there will soon be another death in the family.

The Russians struck me as a people exceedingly ill-provided with manly amusements. They have nothing to correspond to our cricket, boating, or football. Their young men seem incapable of rising to any greater exertion of mind or body than that demanded for billiards, cards, drinking, and smoking. I saw some soldiers, however, playing with a large, heavy steel pin, like a tenpenny nail with a heavy head.* An out-door game played by girls is called "*skaka*" (to jump), something like the English game of see-saw, only that the two parties do not sit but stand on the plank, which is only some four feet long, and is jumped upon with sufficient force that when one person reaches the ground the other springs into the air, and so on alternately. Swings, too, are in great demand at fairs and such gatherings. I was treated to one on the

* They raised it above the shoulders, holding the head of the nail in the palm, and threw it down, making the point pass through a ring, about an inch and a half in diameter, lying on the ground. The person throwing it sometimes buried it to the head in the soil, whence another had to unearth it, or it was driven through a piece of wood, from which it was another's business to extricate it. The feat appeared very easy, but in the few attempts I made I did not succeed in sticking the pin in the ground.

Sukhona, suspended from a cross-beam not less, I should judge, than 40 feet high.

Dancing is one of the most popular of indoor amusements, and I had a good opportunity of witnessing the peasants' performance of it at Mikhailofsky; for on the evening of our enforced stay a *soirée* was extemporized. The dancers were the young men and girls of the village, dressed in their heavy boots and cotton gowns, but washed and brushed up for the occasion. The manner in which the girls sat in a row at the commencement, and the men hung together in an outer room, struck me very much like a piece of human nature which is seen all the world over. The music consisted of a fiddle, accordion, and tiny bells; and in the first dance, two youths having nodded condescendingly to partners, the four stood up and figured before us, one feature of the dance being that the men from time to time stamped heavily with their feet.* At an early stage of the proceedings cigarettes were handed round, and men, girls, and old women all began to smoke—a sure sign that they were not Starovers, or Old Believers, for they turn out their sons if they smoke, and call them "pogani," or "nasty,"—the practice having been introduced into some parts of Siberia, I

* Perhaps it was akin to the Mazourka, which had its birthplace in Poland, for I remember witnessing a similar performance in the salt-mines of Cracow. The second dance was a national one, by a single pair, and something like a Scottish hornpipe, the man occasionally sinking down almost to the ground. Then the pair waved handkerchiefs to each other. I was told that this dance is made to represent the various stages of courtship, and that a good dancer does not go through the same figure twice. Another dance was by four couples, in which the ship's machinist figured prominently in his heavy boots. One man also crawled on all fours, and twice passed through the extended legs of another, and so they continued till the cotton shirts of the men showed they were getting wet, and the company were growing tired.

was told, within the last quarter of a century.* After dance No. 3, which was by four girls only, two plates were handed round—one of sweets, the other of cedar nuts. The latter, from the monotonous gaps they so often fill at parties, are called by a word which means "Siberian conversation." Other refreshments followed

RUSSIAN PEASANT GIRL.

in the shape of black bread and cucumbers, the whole affair looking very formal and solemn; but I am not sure whether this was normal, or whether the peasants were overawed by the strange company. I heard that

* The Starovers object to smoking upon the literal meaning of the text, "That which cometh out of the mouth, this defileth a man." According to Dr. Pinkerton, an ukase was issued in 1634 condemning those who took snuff, or sold or even possessed tobacco, to be knouted, to have their nostrils torn open, or ears cut off, and to be sent into exile.

at Nikolaefsk, in winter, they have frequent balls at the club, but in the summer the evenings are given to the promenade.

At this time of day I usually took my constitutional, and searched about into every hole and corner of the town. Its population stands in the Almanack at 5,350, which probably was right some years ago, but it was estimated to me as having decreased to 3,500. The houses extend a mile and a half along the left bank of the river on a wooded plateau about fifty feet high. The landing-place is available only for small craft. Larger vessels lie in the middle of the river, and there is a wooden pier from which stairs lead to the plateau. The visitor is then opposite the church, built of wood, having one large cupola and four small ones. Behind the church stands what was the "Admiralty," but is now the police-station, having a flagstaff with semaphore for signalling vessels in the harbour. To the west of the church is the officers' club, and a few minutes' walk to the east is situated the admiral's house, the palace of the town, having around it a few flowers struggling for existence. In 1866 Mr. Knox found at Nikolaefsk machine-shops, foundries, and dockyard, into which last I wandered one evening, and thought of the time when nations are to learn war no more; for whereas there had been 800 men employed in the place a dozen years before, I found it covered with weeds, the workshops closed, and rusty iron lying about in all directions. Here and there were heaps of bombshells and cannon-balls, with a few grape-shot. Except the sentinel at the entrance, I met not a soul in the place, from which the glory had plainly departed. So it was, in fact, with the town generally. The boarded

pavements are fast rotting, and allow the unwary foot-passenger to step through into the drains. There is sufficient grass in the streets for cows to graze, and pigs are occasionally seen there looking about for food. The Governor's house is falling into decay, and its grand rooms are looking and smelling dusty, musty, and old. Again, the buildings erected for the higher Government officials are inhabited by smaller and feebler folk, and some of the shops are closed.

Nikolaefsk, nevertheless, from its position at the mouth of a river which is navigable so far into Asia, will probably continue its present commercial standing.*

There was a medical officer at Nikolaefsk, whose duty it was to examine the articles sold for food, and who during my stay lodged a complaint against a merchant for selling damaged flour, although he sold it as such, and at a reduced price. I heard Russia and Siberia spoken of as a country where capital can be placed out to great advantage. One merchant said he could easily get 6 per cent. for his money in Russia, on security which he deemed satisfactory. I have quoted in an earlier chapter the 30 or 40 per cent. given for capital at the gold-mines, and one man I met told me that in Western Siberia he made as much as 100 per cent. on a considerable portion of his capital.

My host, Mr. Emery, had come to the Amur as a

* There came to it, in 1878, 12 merchant vessels, bringing manufactured goods to the value of £52,781; alcohol, £4,705; and wines, beer, and porter, £1,604. I was told by one of the merchants that Hamburg is the cheapest market for goods for a new country, there being more imitations made there than elsewhere, which perhaps accounts for the complaint made to the Russian Government that the imported manufactures are of the lowest quality. The same merchant told me, however, that when he imported good articles, the Russians merely admired them; but that when he imported cheap ones, they *bought* them.

boy, and began at the bottom of the ladder; but at the age of 20 he was able to count his gains by thousands. He was but 27 when we met, but was looking forward in a year or two to retire.*

One of the drawbacks to honest trading in Russia is the bribery which officials expect when purchasing Government supplies. An instance of bribery practised on the rivers was described to me thus: A shipping agent, for example, carries 5,000 poods of freight, for which the sender pays him at a certain rate for Government duty. At the custom-house the agent makes out his bill as having only one-tenth the real freight, and gives ten roubles each to the officers, who make out a false bill to correspond with his own. It is then signed by the head official, who receives no bribe on the spot, but occasionally drives to the agent's office, says that he is short of money, and asks for the loan of 300 roubles or more. The agent "lends" them, not dreaming, however, to see them again. At the end of the year the agent finds himself several thousands of roubles in pocket, the higher official drives his carriage on a surprisingly small stipend, and the lower officials, having been put into their office by the higher, do not even ask for their salary, and yet manage to live in houses of their own procuring.†

* He had, indeed, already retired in a fashion; for the winter season at Nikolaefsk had become to him so insupportably dull, that for the last few years he had posted off in autumn to Petersburg and other European markets, and then, chartering a schooner of 350 tons with merchandise, he had either accompanied it round the remainder of the globe, or crossed the Atlantic to America to see his parents, and then sailed over the Pacific by the following spring. In this way he had several times made the circuit of the world, going west or east, as business or inclination decided. He allowed 18 days in winter for a sledge journey of 3,300 miles, from Moscow to Irkutsk.

† These and similar practices are not confined to merchants, but go

Again, gambling and drunkenness are two principal snares besetting foreign traders in Siberia, whose time in winter hangs heavily, and where, in seaport towns, officers and large consumers expect to be frequently *fêted* and invited to drink. Immorality is the third snare, which leads many astray who are removed from the restraints of home, and who otherwise hold their heads above gambling and insobriety.

The trade customs of Nikolaefsk were, in some respects, superior to those in the interior,—due, no doubt, to the influence of the Germans and Americans. In the bazaars of Petersburg one has to bargain for everything. A shopman asked me, for instance, 10*s.* for a box, for which he afterwards "touted" to me, and took 7*s.* At Nikolaefsk business is done at fixed prices, and I was glad to find that, though compelled to close their stores for many hours on the greater Russian festivals, the foreign merchants, for the most part, did not open at all on Sunday.

The weather during my stay on the Lower Amur was chilly and disagreeable, and the season for garden produce was about a fortnight late. On August 19th we ate new potatoes. They cost 2½*d.* per lb., but eight days later they cost but 1*d.* per lb. Cucumbers were ready on the 10th of August, and on the 27th

down even to the isvostchiks, who come to Petersburg from the country and hire themselves to their masters by the month, having to bring in 5*s.* a day. At the end of their term the master is said to do his best to swindle the cabmen, whilst they, taking their food and scanty wages, do their best to make a picking from their fares. Sometimes, however, the biter is bitten; for driving in the capital one day my isvostchik pointed to a large building, and said that he had just brought there a well-dressed woman, who had asked him to drive at the side of the pavement, because the road was better there, she said; and then, when opposite the door, she had sprung off the low vehicle, and run in without paying.

they were selling for 3*s.* per hundred. Eggs cost 5*s.* per hundred, fresh butter 2*s.* 3*d.* per pound, and beef from 7*d.* to 8½*d.* On August 27th we had our first spring cabbage made into little pies and eaten with soup. The price of these cabbages, to a "friend," was 5*d.* each, but they were expected shortly to fall to 16*s.* or 20*s.* per hundred. I do not remember tasting mutton, but was informed that a good sheep weighs about half a cwt., and costs alive, at Nikolaefsk, from 22*s.* to 30*s.*

In Western Siberia, about Tomsk, a sheep can be bought for 2*s.* I am told that Russians in general abhor mutton, and my informant's housekeeper wonders the English can eat it, for *she* would as willingly eat cat, dog, or rat as such "garbage." Game and fish were surprisingly plentiful. I bought in the streets at Nikolaefsk a capercailzie (called *glukhar*, or deaf bird) for 10*d.*, which was thought by no means cheap; and a blackcock was offered for a similar price. The cost of salmon, however, was most surprising. Up to the 20th August, salmon trout, weighing from 10 to 12 lbs., cost as much as 5*d.* each, but they were then said to be *dear*. On the 15th August a large salmon, the first fish of the season, and weighing perhaps 15 lbs., was offered to me for 7½*d.*, but this was considered quite "a fancy price." From the 1st September to the 17th, during which period the large fish are caught, weighing from 15 lbs. to 25 lbs., they may be bought for 10*s.* per hundred, or 1*d.* each! *

* About 500 tons of them are salted yearly at Nikolaefsk, for winter use, the Government having, annually, two contracts for 16 tons, and others besides. For the most part, however, the fish of the province is consumed

I was fortunate in finding at Nikolaefsk some English books, and among them the travels of Collins, Knox, and Ravenstein, on the Amur. The reading of these occupied much of my time, and I sometimes wandered down to the river-side—especially in the morning—to the pier, to watch the Gilyaks sell their fish.* Moored alongside the pier were some lighters of English build, which were failures for the particular purpose for which they had been constructed, though they made admirable landing-places. There were also several barges converted into floating shops, one of which was the property of a Frenchman, who had been a tutor in England. He dealt largely with the Gilyaks, and offered me a live eagle, obtained from them, for 6*s.*; a fish-skin coat for 8*s.*, and a tiger's skin for £3 10*s.* For bear-skins he asked from 10*s.* upwards, whereas in Krasnoiarsk they sell from 10*s.* down to 3*s.* each.

Thus passed by my enforced stay at Nikolaefsk, and, after trying in vain to get a passage to Japan, I determined to retrace my steps by the post-boat, which I started to do on Saturday, 30th of August. Before proceeding southwards, however, I must give some account, in the next two chapters, of what I have been able to learn concerning Kamchatka and the island of Sakhalin.

where it is caught, and it is only quite recently that exportation in small quantities has commenced.

* The plentiful season commenced on August 25th, and salmon were sold for five roubles per hundred. These were commonly used for salting, but I found that they sold pieces of dried salmon and other fish a foot long, at the rate of 1*s.* per hundred, as winter food for dogs. Among the less valued fish of the Amur are the dolphin, trout, and others, known by the name of *sazan*, *karass*, and a white fish called *suig*—the last being esteemed in Petersburg a delicacy.

CHAPTER XLVIII.

KAMCHATKA.

The Upper Primorsk.—History of north-eastern maritime discovery.—Travellers in the Upper Primorsk.—The Sea of Okhotsk and fisheries.—Bush's journey.—Okhotsk and its natives.—Kamchatka.—Its volcanoes, earthquakes, springs.—Garden produce and animals.—Kamchatdales.—Their number and character.—The Koriaks.—Their warlike spirit.—Houses of settled and wandering Koriaks.—Food.—Herds of deer.—Marriage customs.—Putting sick and aged to death.—The Chukchees.—Their habitat.—Diminution of fur animals.—Vegetation.—Intoxicating plants.—Nordenskjold on the Chukchee coast.—Onkelon antiquities.

NORTH-EASTERN Siberia, or the Upper Primorsk, is to be the subject of this chapter, for which I have chosen the title of Kamchatka as best recalling the locality. Unlike the Amur, of which we have been treating, this portion of the Sea-coast province cannot be spoken of as new; for its discovery dates back more than a century. Of late years, all eyes have been turned in this direction by the maritime achievements of Professor Nordenskjold, who, having completed his wonderful travel by water, was being fêted at Yokohama, whilst I was lying weather-bound off the coast.*

* Among early sources of information concerning voyages to the north-eastern seas, we have the "History of Kamchatka and the Kurile Islands," translated from the Russian by Dr. Grieve in 1764. In 1802 Martin Sauer wrote an account of a geographical and astronomical expedition to the north parts of Russia, the mouth of the Kolima, to East Cape, and islands in the Eastern Ocean, performed by Commodore

During my stay at Nikolaefsk, I was further north than the capital of Kamchatka, and Petropavlovsk was distant only a few days' sail. Intervening, however, was the Sea of Okhotsk, the mention of which so often recurs in connection with the north-eastern parts of Siberia.* Formerly it was much frequented by whales. The captain of the *Tunguse* told me at Nikolaefsk that, as a young man, he used to go to the Okhotsk Sea in a whaler; but so many of these animals had been killed, he said, that during one season they caught only three of them, which he

Joseph Billings from 1785 to 1794; and within 20 years afterwards Captain Burney published a chronological history of north-eastern voyages of discovery, and of the early eastern navigation of the Russians; but these brought us no further than 1819. The admirable "Géographie Universelle" of M. Réclus (by far the best geographical work on Siberia I have met with) gives a map showing the routes not only of the principal travellers by land, but also furnishes an excellent account of Siberian maritime discoveries down to the present day.

To confine ourselves more particularly to Kamchatka, we have the travels in 1787-8 of M. de Lesseps, Consul of France, and interpreter to the Count de la Perouse, who landed in the peninsula, and thence made his way by land round the northern coast of the Okhotsk Sea, and crossed Asia and Europe to Paris. A quarter of a century later, Peter Dobell followed the same route, and was deserted by his Tunguse guides in the vicinity of Okhotsk, which town, however, he at length reached, and crossed Siberia to Europe. Accounts of remarkable travels in this part of the country have been written by two Americans—Messrs. Bush and Kennan—who went, in 1865, to make preliminary surveys for a proposed route for telegraph wires intended to traverse Behring's Straits from America, continue across the peninsula, and round the Sea of Okhotsk to Nikolaefsk, and thence to the Chinese frontier. The enterprise was ultimately abandoned, but not till the country had been surveyed from the straits to the mouth of the Amur, in doing which these authors passed through portions of country untravelled by foreigners before.

For a short account of the early exploration of Siberia by sea and land, *see* Appendix E.

* It is a great gulf shut in from the North Pacific Ocean by the promontory of Kamchatka, and a chain of islands reaching down to Japan. It measures from 1,200 to 1,400 miles from north to south, and from 700 to 800 miles from east to west, the greatest depth being 700 yards.

thought poor. At Vladivostock, however, I met with Mr. Lindholm, who has a steamer and a sailing-ship engaged in the whale trade, and from him I gathered that at the present high price of whalebone, it answers well if, during a season, a boat takes two large whales.* The whales feed on the molluscs of the Okhotsk Sea, some of which Erman mentions as being eaten by the Chinese.† Whether the molluscs are less abundant than of yore, or whether so many whales have been killed that few remain, the diminution of the trade was impressed on my mind by meeting in the Primorsk several Finlanders who had left their fatherland in the expectation of speedily making their fortunes by whaling in the Okhotsk Sea; but their project proved a bubble.‡

The only man, I believe, other than an aboriginal, who has travelled round the Okhotsk Sea, starting

* It was curious to hear that whales are now more shy than formerly, and that the whalers dare not row their boats, but must sail them to the monsters, who are then sometimes frightened away even by the baling out of water. I learned, too, that in the Sea-coast province they have great difficulty in procuring a sufficiency of suitable sailors for the trade; for although ordinary seamen will do for a part of the crew, there ought to be about eight of the officers and men who are experts.

† I saw a considerable number of dried *trepangs*, or sea-snails, at Vladivostock, worth in China 30 dollars the pickle of 133 lbs., say 1*s.* a lb. The Chinese employ them in the preparation of a nutritious soup in common with sharks' fins, edible birds' nests, and an esculent seaweed, or cabbage, of which last 3,000 tons are taken yearly from the bays of the Sea-coast province.

‡ They sailed round Cape Horn to Siberia, but met with foul weather, which delayed them for a whole season, and initiated their failure. Not having the means to return to Finland, they were getting their living as best they could. The commander of the *Onon*, Captain Stjerncreutz, was one of them. I discovered that he was a cousin of Miss Heijkel, my fellow-passenger in Finland in 1876, who, to help me in procuring a horse, introduced me to the family I have mentioned at Wasa. This was the third Finlander I chanced to meet in Siberia with whom I could claim a sort of acquaintance.

from Nikolaefsk, by land, is Mr. Bush, the author of "Reindeer, Dogs, and Snow-shoes," all three of which he certainly had ample opportunity of becoming acquainted with. Nothing, perhaps, in his journey would appear more remarkable to those unacquainted with the records of Arctic travel than his sleeping, night after night, in the open air of a Siberian winter, between a couple of ordinary blankets, lined with deer-skin, between which, on awaking, he sometimes found himself buried, as were his dogs, beneath recently-fallen snow. Proceeding round the coast, the first village we approach after leaving the Amur is Udskoi, with 150 inhabitants. It is situated on the river Ud, and was one of the earliest Cossack stations. Further north is Port Ayan, to which, in 1844, the American Company transferred their station for trading in fish and furs.

On the Okhota, further north, is the town of Okhotsk, which has given its name to the adjoining sea. Its population was never large, though it had a certain amount of activity before 1807, when the burdens of many thousands of horses passed through to the Russian settlements on the Pacific. It is a sorry-looking place of 200 inhabitants, though many a traveller has been glad to reach it after a severe journey from Yakutsk. The only animals kept at Okhotsk, says Mr. Knox, are cows and dogs. In summer the dogs are shrewd enough to go into the water and catch their own salmon, wading into the stream and standing, like storks, till the fish appear. The natives living on this western coast are the Lamuti, a seafaring Tunguse tribe, said to be uncorrupted from their primitive simplicity, either by the

tricks of the Russian merchants or those of the aboriginal Yakutes. From Okhotsk to Nikolaefsk is a voyage of 400 miles, but there is no road by land: hence the remarkable nature of Bush's journey.

The traveller who, from Okhotsk, wishes to visit Kamchatka may reach Petropavlovsk by sea through the Kuriles, or continue round the coast by road. The latter course takes him through Yamsk to Ghijiga, at the north of the bay, a distance of 1,100 miles. He then descends along the western coast of Kamchatka to Tigil, 760 miles further, at which point he strikes inland to a valley lying below active volcanoes, and so reaches Petropavlovsk, on the shore of the North Pacific, a land journey from Okhotsk of 2,540 miles, accomplished by deer, horses, and dogs.

Kamchatka is so called after the name of its principal river. The peninsula is 800 miles long, and from 30 to 120 miles wide; its total area being about 80,000 square miles, or five times the size of Switzerland. The southern extremity, called Cape Lopatka, is a low, narrow tongue of land, which, as it proceeds northwards, widens and rises into rocky and barren hills, with small valleys timbered with willow and stunted birch. Two degrees north the range divides, one portion running nearly due north and the other taking a north-easterly direction. In the fork formed by these two chains lies the valley of the river Kamchatka. The western chain rarely rises above 3,000 feet, but the eastern chain has many high volcanoes, among them Kluchevsky, which is somewhat higher than Mont Blanc, and not far from the sea.*

* Many ranges of terraces and secondary summits surround the mountain as with an enormous pedestal, so that its base has a circumference

Earthquakes are more frequent, perhaps, in Kamchatka than in any other country. The number of shocks felt at Petropavlovsk averages eight annually.*

The climate of Kamchatka is much milder than in the eastern parts of the mainland. The frost sets in about the middle of October, but up to December the temperature rarely falls 10° below the freezing point of Fahrenheit, though in severe winters the thermometer sometimes sinks to 25° below zero. Snow-storms with wind, called *poorgas*, are prevalent in February and March. They sometimes take up whole masses of snow, and form drifts several feet deep in a few minutes, burying, it may be, travellers, dogs, and sledges, who remain thus till the storm is over. Dogs begin to howl at the approach of a poorga, and try to burrow in the snow if the wind is cold or violent.

About 50 miles west of Petropavlovsk is a remarkable warm spring, into which when you enter, says Mr. Collins, the sensation is as if the skin would be

of not less than 200 miles. The fissured summit constantly smokes, and twice or thrice a year throws out cinders. Ashes and dust have sometimes been carried to a distance of 180 miles, and covered the ground many inches deep, preventing the Kamchatdales from sledging. An eruption in 1737 ejected much lava, and this, dissolving the glaciers, poured into the neighbouring valleys a deluge of waters. In 1854 another stream of fire descended from Mount Kluchevsky. From the crater of the Avasha, immediately behind Petropavlovsk, have been thrown at the same time stones, lava, and water. The following are some of the active volcanoes: Korakovsky, 11,200 feet; Chevelutch, 10,529; Jupanof, 8,478; Avatcha, 8,344; and the Great Tolbach, 7,618; whilst, of the extinct volcanoes, Uchkin is the highest, with an elevation of 10,977 feet.

* Mr. Hill describes one lasting no less than eight minutes. During the whole of this time rumbling and loud noises were heard beneath the ground, and the earth trembled violently. Some of those who experienced it said they thought at one moment that the earth was sinking beneath them, and the sea about to rush in upon the land, and the next that they were rising upon the crust of the crater of a volcano in terrible eruption beneath the ground.

removed, whilst the stones and mud on the bottom fairly burn the feet, added to which the steam and gas, ascending from this natural caldron, fairly take away the breath. In a short time, however, bathers become red like lobsters, and find the temperature enjoyable. The water is very buoyant. It is used by the natives for all sorts of diseases.

The valley watered by the Kamchatka is composed of fine mould, and has abundant natural productions—fir, birch, larch, poplar, willow, cedar, and juniper, and that of larger size than in the same latitude elsewhere in Asia. Raspberries, strawberries, whortleberries, currants, and cranberries abound; and flowers are seen in spring in almost tropical luxuriance. There is much grass in the lower lands, and Mr. Hill records an extraordinary phenomenon in a place he visited respecting the growth and preservation of potatoes.* There grows, likewise, a plant in the country called by the natives *krapeva*, from which they make a coarse but very durable cloth. It resembles our stinging-nettle, but is of larger growth and stronger fibre.

Among the animals of Kamchatka there is none with which the traveller becomes more familiar than the dog, which is found wild on the hills. The color is usually buff or silver-grey, and in nature and disposition he resembles the mastiff and the wolf,

* Admiral Ricord, a former governor of Kamchatka, imported potatoes for seed, and they were planted, but not taken up the following autumn. The next year, being found abundant and good, they were allowed to remain, where, dying and propagating continually, they yielded more than were locally required. Mr. Hill accounts for the phenomenon by the fact that neither damp nor frost could reach the potatoes; for though in winter the snow covers the surface of the frozen ground, yet so great in this vicinity is the internal volcanic heat that the earth is quite dry, and never frozen below a few inches from the surface.

sleeping, like the latter, more by day than by night. He is intelligent as regards his work, but not affectionate, as may be said of the steppe dogs, and has to be ruled by the rod. It is not usually safe to leave these dogs loose, for they kill fowls, deer, smaller dogs, and sometimes even children.* As on the Amur, they are usually fed on fish, particularly the salmon, besides which there are caught in Kamchatka, or off its coasts, the cod, herring, smelt, as also whales, walruses, and seals. The country abounds with geese, ducks, and a variety of wild fowl.

The southern part of the peninsula is inhabited by the Kamchatdales, which is the name the Russians give them; but they are called *Konchalo* by their neighbours the Koriaks. They have large round faces, prominent cheek-bones, small sunken eyes, flattened noses, black hair, and tawny complexions. Their language, very guttural, is largely inflexional, or composed of invariable root forms modified by prefixes. The poverty of the language may be inferred from their having but one word for the sun and moon (*khiht*), but still more from the circumstance that it has scarcely any names for fish or birds, which are merely distinguished by the moon in which they are most plentiful. The language is spoken in the south among the Kuriles, and in the

* They love sledging, and upon a journey of four or five days will work from 14 to 16 hours out of the 24 without tasting food, the idea of their masters being that, when travelling, the less food the dogs receive, short of starvation, the better. The travelling sledge weighs about 25 lbs. (a freight sledge is heavier), and a good team will travel from 40 to 60 miles a day. When running, they must be paired with dogs known to each other from puppies; and, should they happen to cross the scent of a deer, so fond are they of its flesh that they sometimes become utterly unmanageable, upset the sledge (or *nartee*, as it is called), and leave the driver, it may be, to perish in the snow.

extreme north about Penjinsk. Otherwise it is fast dying out, as is also the race. In certain parts the people are almost Russified. When Captain Cochrane travelled in Siberia, he surprised his friends by taking home a Kamchatdale wife, but this did not surprise me after meeting at Nikolaefsk, at dinner, a Kamchatdale lady who had married a Russian officer. I saw, too, at Khabarofka, and on the steamer, another Kamchatdale, of less presentable appearance—a cleric, wearing his hair in a queue, perhaps for convenience in travel. He was taken, as a boy of 10 years old, to Irkutsk to be educated; afterwards sent to be minister in a church in Russian America, and subsequently became priest of Okhotsk. He is now near Blagovestchensk, and when I saw him was sick. He looked a poor miserable creature, and was pointed out to me by Baron Stackelberg, of whom he had openly asked an alms, as "*ce pauvre diable.*" He appeared much pleased with some books I gave him, but was altogether about the poorest specimen of a priest I saw in Russia.

The number of the Kamchatdales, strictly so called, is estimated at 3,000. Their capital is Petropavlovsk, the only town on the eastern coast of the peninsula.* The little town points with pride to its two monuments, erected, one to Behring and the other to La Perouse, and its old fortifications, now covered with grass and

* It is situated on the right shore of the splendid Bay of Avatcha, which may claim with Rio Janeiro and San Francisco to be one of the finest harbours in the world. It is perfectly protected from the winds, and, transplanted to a more favourable position, it might be one of the greatest of markets; but since the fishery of the whale in the surrounding seas has lost its importance, Petropavlovsk has sunk from a place of 1,000 inhabitants to one of 500. Mr. Dobell, who lived in the peninsula five years, says that he found there many dykes and mounds, from the existence of which he argues that the country was once thickly populated.

flowers, serve to recall the defeat of the English and French allies, who attacked this village during the Crimean War.

The Kamchatdales are a people of much amiability and honesty. Their houses are always open to the stranger, whom they never weary of waiting upon, and from whom they soon forget an injury.* They have given up, to a large extent, their Shamanism, though they still take care, when hunting an animal, not to pronounce its name, lest they should be visited by ill luck. The Kamchatdales have not the heroic character of their neighbours the Koriaks. Their plaintive songs do not celebrate battles, but love, sledge travels, fishing, and hunting. In their dances they mimic admirably the movements of animals, bounding like the deer, running like the fox, and even entering the water to swim like the seal.

The northern half of the peninsula, and the mainland up to the 65th parallel, are inhabited by the Koriaks, their district extending laterally from the 130th meridian to Behring's Sea, and north of this region to the Frozen Ocean live the Chukchees.†

The Anadir is the one river of this region worth mentioning; but flowing as it does on the polar circle, and near the limit where trees cease to grow, it traverses only solitudes without towns. The Russian

* Their hospitality is carried even to excess. They visit one another, for instance, during a month or six weeks, until the generous host, finding his stock exhausted, gives the hint by serving up a dish called "*tolkootha*," a hodge-podge, composed of meat, fish, and vegetables; upon which the guests depart the following day.

† The Russian calendar gives the following numbers to these peoples: Kamchatdales, 4,360; Koriaks, 5,250; and Chukchees, 12,000. Mr. Kennan, however, doubts this, and thinks that they do not exceed 5,000 altogether.

garrison was obliged to abandon the small fort of Anadirsk, constructed on its banks for a fur depôt, at the beginning of the eighteenth century, and the Chukchees set it on fire. It is now replaced by four little villages, with a united population of about 200, consisting of aborigines and Cossacks living a half-savage life, though speaking Russ. The Anadir, like the rest of the rivers in the Chukchee and Kamchatdale countries, is so full of fish at the breeding season that the water seems alive with them. When the shoals of salmon mount the river, the water rises like a bank, and the fish are so pressed together that they can be taken by hand. The water ceases to be drinkable, and its smell and taste become intolerable, by reason of the millions of its inhabitants in a state of decomposition.

The Koriaks seem to be related to the Chukchees, and speak a dialect approaching theirs. They are divided into settled and wandering Koriaks, the former occupying themselves in fishing, the latter as reindeer keepers and hunters. Their southern limit in Kamchatka is the village of Tigil, whither they go once a year to exchange their commodities. Travellers do not speak well of the settled Koriaks. Deprived of their herds of reindeer, they have no resource but fishing and traffic with foreign sailors and Russian dealers. The first are said to have taught them drinking and debauchery, and the second lying and stealing. They are eaten up with misery and vice, and are the most degraded of the Siberian tribes. Only the women tattoo their faces, thinking thereby to arrest the ravages of time. Their winter yourts may be classed among the most extraordinary

of human habitations. They are built somewhat like a huge wooden hour-glass, 20 feet high, in the shape of the letter X, and are entered by climbing a pole on the outside, and then sliding down another through the "waist" of the hour-glass, which waist serves for door, window, and chimney. Holes are cut in the logs for climbing, but they are too small for the heavily-clad fur boots of a novice, who has, therefore, amid sparks and smoke, to hug the pole, slide down, and as best he can avoid the fire at the bottom. The interior presents a strange appearance, lighted only from above. The beams, rafters, and logs are smoked to a glossy blackness. A wooden platform, raised about a foot from the earth, extends out from the walls on three sides, to a width of six feet, leaving an open spot 8 or 10 feet in diameter in the centre for the fire, and a huge copper kettle of melting snow, in which is usually simmering fish, reindeer meat, dried salmon, or seals' blubber with rancid oil; these make up the Koriaks' bill of fare. When any one enters the yourt, the inmates are apprised of the fact by a total eclipse of the chimney hole. Among the wandering Koriaks an entrance to the tent is effected by creeping on the ground through a hole into a large open circle, which forms the interior. A fire burns upon the ground in the centre, and round the inner circumference of the yourt are constructed apartments called *pologs*, which are separated one from another by skin curtains, and combine the advantages of privacy with warmth and fugginess! These pologs are about four feet high and eight feet square. They are warmed and lighted by a burning fragment of moss floating in a wooden bowl of seal oil,

which vitiates the air and creates an intolerable stench.

Mr. Kennan gives a humorous description of his first supper among the wandering Koriaks, and their substitute for bread, called *manyalla*, of which the original elements are clotted blood, tallow, and half-digested moss taken from the stomach of the reindeer, where it is supposed to have undergone some change fitting it for second-hand consumption. These curious ingredients are boiled with a few handfuls of dried grass, and the dark mass is then moulded into small loaves and frozen for future use. As a mark of special attention, the host bites off a choice morsel from a large cube of venison in his greasy hand, and then, taking it from his mouth, offers it to his guest.

The wandering Koriaks necessarily move their habitation frequently; for a herd of 4,000 or 5,000 deer (Mr. Bush mentions one Koriak as possessing 15,000 of them) paw up the snow, and in a very few days eat all the moss within a mile of the encampment. This independent kind of life has given to the Koriaks the impatience of restraint, independence of civilization, and perfect self-reliance, which distinguish them from the Kamchatdales and other settled inhabitants of Siberia. They are most hospitable, and the best of husbands and fathers. Mr. Kennan, during his sojourn of 2½ years among them, never saw a Koriak strike any of his belongings. They treat their animals with kindness, and will on no account sell a deer alive. A slain deer may be had for a pound of tobacco. Among the Koriaks the animal costs 10*s.*, at Okhotsk from 20*s.* to 30*s.*, and on the Amur £5.

Like the Kamchatdales, the Chukchees are obliged

to earn their wives by working a year or more in the service of the prospective father-in-law, and even then the lover may be refused. In any case, at the wedding ceremony he has to pursue the object of his devotion through the pologs of a tent, the bridesmaids doing all they can to facilitate the passage of the bride, and, by keeping down the curtains and whipping him with switches, to hinder the progress of the bridegroom, The lover usually overtakes the maiden, however, in the last polog but one, and there they remain together for seven days and seven nights.

The treatment of the sick and aged in these regions is remarkable, for they put them to death to avoid protracted suffering. I heard the same alleged of the Gilyaks, but it was afterwards contradicted. The Koriaks look upon this as the natural end of their existence; and when they think the time come, they choose in what manner the last office of affection shall be rendered. Some ask to be stoned, and some to be killed by the hatchet or knife. All the young Koriaks learn the art of giving the fatal *coup de grace* as painlessly as possible.

Sometimes the younger request the old to wait a bit; but in any case immediately after death the corpse is burnt, to allow the spirit to escape into the air. Formerly, infanticide was common among them, and of twins one was always sacrificed. None of the Siberian tribes have shown such bravery in resisting the Russians as have the Koriaks and Chukchees, and some of these still retain their independence.

The Chukchee coast extends from Chaunskaia Bay, round Behring's peninsula, to the Anadir river. The fauna of this part of Siberia is richer than in the west.

Probably some of the American animals have crossed the ice of Behring's Straits, and are mingled with those of Asia. The Alpine hare, the bear, the marmot, the weasel, the otter, are common, and wild deer roam in herds of thousands. Snakes, frogs, and toads are not found in North-Eastern Siberia nor in Kamchatka. In the latter country, however, are lizards, which are regarded as of evil omen, and when found are cut up in pieces, that they may tell no one who killed them. The country teems with lemmings, which from time to time migrate in myriads, crossing in a straight line rivers, lakes, even arms of the sea, though decimated on the way by shoals of hungry fish. Travellers are sometimes stayed for hours, waiting the marching-past of these huge armies.*

Many fur-bearing animals in Kamchatka and the Chukchee country have greatly diminished in number since the advent of the Russian hunters, as is the case in the neighbouring seas, where some of the species have altogether disappeared.†

The aspect on the two sides of Behring's Straits is very different. America is wooded, whilst the Chukchee country has no vegetation but lichens and mosses, and from a distance looks completely bare. Among the

* The industrious little creatures store up their grain and roots underground, covering them, *it is said*, before their migration, with poisonous plants, to hinder other animals from eating them. The Kamchatdales, in times of necessity, help themselves to these stores, but do not fail to replace what they take by *caviar*, or remains of fish, that they may not alarm such benevolent purveyors.

† Whalers have now to go much further north for their prey; the sea-otter, with its precious skin, and the sea-lion are rarely seen on the strand and rocks of Behring's isle, and the sea-cow is completely exterminated. The sea-bear, as Réclus calls it, but which I suspect is that we know as the seal, was threatened also with extermination, until the Americans purchased the monopoly of taking them on Russian territory.

flora, however, of North-Eastern Siberia is a peculiar mushroom spotted like a leopard, and surmounted with a small hood—the fly agaric, which here has the top scarlet, flecked with white points. In other parts of Russia it is poisonous. Among the Koriaks it is intoxicating, and a mushroom of this kind sells for three or four reindeer. So powerful is the fungus that the native who eats it remains drunk for several days, and by a process too disgusting to be described, half-a-dozen individuals may be successively intoxicated by the effects of a single mushroom, each in a less degree than his predecessor. The natives dig for roots and tubers, which serve for food or making intoxicating drinks. They eat also the green bark of the birch mixed with caviar.

In certain valleys, especially in those of Kamchatka, the grass exceeds the height of a man, and the Russian settlers make hay three times a year. The culture of cereals is of little profit; oats thrive best. Hemp has been grown, but not in sufficient quantities to replace the nettle as a textile thread. In fact, gardening has succeeded better than agriculture, and now the natives cultivate in hundreds of gardens cabbages, potatoes, beetroot, turnips, carrots, and other vegetables introduced by the Russians in the last century. All these, however, added to their other kinds of food, barely give sustenance enough to the Kamchatdales and their dogs, without which it would be almost impossible for them to leave their huts at certain times of the year. During the four months of summer they must lay up dry fish to provide for eight months of winter, and the normal amount of winter food for a pack of half-a-dozen Kamchatdale dogs is 100,000 herrings. Besides

this the owner's family must be nourished, and hence, if a bad season comes, and the fishing or hunting fails, death is certain; for to the greater part of the natives who have no deer, winter and want are synonymous terms.

It was on the Chukchee coast that the vessel of Professor Nordenskjold—the *Vega*—was frozen in. The ship had continued her eastward course to the 28th September, and had arrived to within a few miles of the open water of Behring's Straits. New ice had, however, begun to form, and the ship had passed into a narrow and shallow channel, where the crew made fast for the night, hoping to disentangle themselves in the morning without difficulty, especially as whalers had sometimes remained in these parts till the middle of October. They were disappointed, however. For at least a month the wind blew from the north, and by the 25th of November the new ice was two feet thick, so that there was no hope of getting free till the following summer. The *Vega's* winter harbour was at the northernmost part of Behring's Straits, a mile from land, and only about two miles from the point where the straits open into the Pacific, for the passage of which a single hour's steam at full speed would have sufficed. This was disappointing to the professor's party, but they built a magnetic observatory, made what discoveries they could in the interest of science, and formed acquaintance with the Chukchees. They describe the natives' tents as kept at so great a heat that the children were usually naked. The women wore only a girdle, and the children sometimes ran from one tent to another without shoes or clothing in a temperature below freezing point.

Some of the party made excavations in the neighbourhood of dwelling-places of a race that was driven by the Chukchees hundreds of years ago to islands in the Polar Sea. The people were called Onkelon. Their houses were in groups, and built, or at least partly so, of whale-bones and driftwood, covered with earth, and connected by long passages with the open air and with one another. The kitchen middens contained bones of whale, walrus, seal, reindeer, etc., together with stone and bone implements, fastened by leather thongs to wooden handles.

The language of the Chukchees and Koriaks has not been reduced to writing, nor do these people attempt to express ideas by signs or pictures. The Russians, however, have attempted something towards Christianizing them, and the first missionary arrived so far back as 1704, though baptism did not become general among them till 1800. Some of the Chukchees, notwithstanding their savage and independent spirit (which has become somewhat softened in the few who have received baptism), are just and honest; and though implacable to an enemy, are staunch and true to a friend. They are only nominal subjects of Russia, and it will apparently take long before the Russian Government can hope to Christianize and civilize them.

CHAPTER XLIX.

THE ISLAND OF SAKHALIN.

Geographical description.—Meteorology.—Flora and fauna.—Population.—Cultivation.—Mineral products.—Coal-mine at Dui and penal settlement.—Prison statistics.—Flogging.—Desperate criminals.—Complaints of prison food.—Prison labour.—Difficulties of escape.—Prison executive and alleged abuses.—General opinion on Siberian prisons.—Comparison of Siberian and English convicts.

SAKHALIN (or Saghalien), an island nearly as large as Portugal, was not generally known to be an island until a century ago.* A gloomy interest now attaches to it, because of late years the Russians have been deporting thither a large proportion of their criminal convicts, so that it promises to be the Siberian prison of the future.

As Sakhalin extends over eight degrees of latitude, the climate varies considerably; but at the best, in Aniva Bay, it cannot be called other than severe, for while the latitude is the same as that of Lombardy, the average temperature is that of Archangel. Besides

* This is to some extent indicated by its name, "*Sahalin ula hota*," that is, "Rocks at the mouth of the Black River," in keeping with which idea, on Cook's map of 1784, Sakhalin is but a small islet near the Gulf of the Amur. Other maps, published later, represent Sakhalin as a peninsula. It was left to the Russian Admiral Nevilskoy, 30 years ago, to lay down with accuracy the shores of the island and the Strait of Mamia Rinso, by which it is separated from the continent. Sakhalin is about 600 miles long, with an estimated area of 32,000 square miles, and traversed lengthwise by a mountain chain with craggy summits. The coast is for the

this low temperature, the climate is one of great humidity. At Kusunai, in the south of the island, 250 days in the year are foggy or rainy, and the east coast is worse.

The vegetation of the island resembles that of the neighbouring Manchu mainland, with the addition of some of the species common to the Japanese archipelago, and among them a sort of bamboo, which, attaining to the height of a man, covers whole mountains. Certain American species also mingle with the Asiatic flora, so that out of 700 kinds of phanerogamous plants, not more than 20 belong specially to Sakhalin. The plants on the lowest grounds resemble those of the opposite continent. The mountain slopes to the height of 500 yards are clothed with conifers, and higher are birches and willows, above which are the thick dark branches of creeping shrubs. The animals found on the island resemble those of the continent, and the tiger at times crosses the ice on the Mamia Strait to the northern portions; though no specimen has been seen in the south, nor did the Ainos at the advent of the Russians know that animal even by name.

The population of the island is reckoned at 15,000. To the north are about 2,000 Gilyaks. In the centre are the Oroks, or Orochi—Tunguses of the same stock as the Manguns and Orochons of the Lower Amur;

most part rocky and steep, but opposite the mouth of the Amur it consists of sandy downs. Similar downs are found, too, on the eastern side of the island. None of the mountains reach the line of perpetual snow, but several lift their bare grey summits above the limit of vegetation. The island has two large indentations—one on the eastern coast, called the Bay of Patience, and another at the south, called Aniva Bay; also two rivers, each about the length of the Thames, and some smaller streams flowing through arable valleys. It has likewise three lakes, the largest of which is 50 miles long.

and in the south are the Ainos. These last are thought to have been the aboriginal population, not only of Sakhalin and of the Kuriles, but of the Japanese islands also. They have been driven to their present locality by the Gilyaks and Oroks from the north, and by the Japanese from the south, and the slavery to which the Japanese fishermen have reduced them has contributed alike to their diminution and their moral degradation.*

Judging from a photograph I chanced to procure of an Aino, they have large and wide cheeks, a narrow forehead, and eyes not so elongated as with the Chinese races, and their appearance is more European. The Aino's ample beard and moustache are worthy of a Russian. The Japanese, representing, with the Russians, the "upper classes" in Sakhalin, have established fishing-stations along the southern coast of the island, managed by a population who live there for the season without their families. On the south-eastern shore live 700 Chinese, engaged in gathering trepangs and sea-cabbage. Réclus mentions a trade in this last from the Bay of Paseat, in the south of the province, of £400 in 1864, £13,500 in 1865, £40,000 in 1866. The natives subsist on fish, and eat no bread. I was told at Khabarofka that the Ainos contrive to make an intoxicating drink called *sakhe*—probably that de-

* I am not aware that any efforts have been made for the educational or spiritual improvement of the Ainos of Sakhalin. Veniaminoff reduced to writing the language of the neighbouring Kuriles, published a grammar, and translated the Gospel of St. Matthew, which was printed at Moscow in 1840. When at Hakodate I was informed that the missionaries contemplated work among the Ainos in Yesso, the northern island of Japan, and I found this, on my return, to be desired by the late Henry Wright, Honorary Secretary of the Church Missionary Society, but I am not aware that any efforts have yet been put forth for the Ainos of Sakhalin.

THE MILITARY POST AND PENAL COLONY AT PORT DUI IN SAKHALIN.

Page 651.

scribed by Miss Bird as obtained from the root of a tree—which, to attain their highest notion of happiness, they drink to beastly intoxication. As for the Russians in Sakhalin, nearly all are in the military or prison service, and are supplied with provisions by the Government, the resources of the island being utterly inadequate. I heard that a large proportion of the convicts are employed in farming on a considerable scale, but the cultivation of cereals and vegetables, and the raising of cattle, have not yet, I think, made much progress. Whether they can ever thrive in more than a certain number of sheltered valleys is doubtful.

The Russian military posts are all by the sea. Dui is the principal, situated about the middle of the western coast. On the shores of Aniva Bay are the Korsakof barracks, with a garrison of 500 soldiers. Muravief, near this, is a military post, and its port is perhaps the best, or rather the least bad, in the island; for along a coast of 1,200 miles Sakhalin has not a single harbour where vessels can anchor in real safety.

The island was held for a time jointly by Russia and Japan, and the latter was not altogether disposed to give up her portion; but the importation of convicts soon brought the Japanese to terms, and the Russians are now sole masters. I am not aware that it has any metals, though I heard of a surface iron-mine on the opposite coast near to Nikolaefsk, belonging to Mr. Boutyn of Nertchinsk, which it was said might be worked for scores of years without exhaustion, the mine being similar in character to that which I saw in the Urals. The one mineral production of Sakhalin is coal, of which 70,000 tons were raised in 1878. I

heard the coal spoken of as good, but small. Recently it has been described as "dusty nut-coal, suitable for smithy work, but not for steaming." Coal at Sakhalin costs more than in Japan or Australia. The mines are let out by the Government to a company, which from the first has seen small prosperity.*

The mention of the mines, and of those who work them, leads me to speak of the prisons, about which I have official statistics. I obtained information from several military and naval officers; also from a soldier, a prison officer, and a civilian, all of whom had been to Sakhalin, and most of whom spoke as eye-witnesses. At Dui, it would seem, there are four large prisons. I heard of them, from one who had lived in the island, as insufficiently heated in winter, and over-crowded. Another report, sent secretly by a prisoner to my exile informant, corroborated the alleged want of space. They said, however, that additional buildings were in course of erection.†

The number of prisoners in the island in 1879 was about 2,600; half were reported to be in prison, the remainder comparatively free. The Sakhalin convicts

* It has the right to employ 400 convicts, for which they pay to the Government, says Mr. Réclus, from *9d.* to *1s. 6d.* per man per day; but I heard that it was at a certain rate per pood of coal obtained. The company are supposed to supply the Government ships with 5,000 tons yearly, if required, at *18s.* a ton; but in 1878 less than 700 tons were so disposed of.

† A traveller writing in the *North China Herald* of August 5th last, describing what he saw of the convicts in Sakhalin, says: "They lived in barracks which from the outside appeared to be large, airy, and commodious. One evening we went to one of them, in which about 1,000 convicts were ranged in the courtyard. We passed round the building and saw that, for ventilation and comfort, arrangements of the most complete kind had been made." But I think he speaks of Korsakovsk, south of Dui, where there were in 1881, as I learn from official sources, 450 male and female convicts with their families.

are for the most part murderers, vagabonds, and run-aways, there being no "politicals" among them.*

Dui is one of the three places where the authorities may use, in addition to the birch, the troichatka or plète, which I have described (vol. i., p. 92). I have no trustworthy information as to the frequency with which flogging is inflicted. At Tiumen the prison director said that, of 80,000 exiles who had passed through his hands in four years, he had flogged only

* The following list gives, for the five years preceding my visit, the number of persons condemned to hard labour and sent from European Russia by road to the Sea-coast government and Sakhalin, and who, on their arrival, were distributed to Nikolaefsk, Dui coal-mines, Dui farm, and in small numbers to Aniva Bay. It shows the number remaining over annually from the previous year, the number of additions, of departures by death, finished terms, or removal elsewhere, and the number remaining :—

	From last year.	Arrivals	Departures.	Remaining.
1874	962	759	1,011	710
1875	710	1,919	1,503	1,126
1876	1,126	2,412	2,039	1,499
1877	1,499	1,494	1,429	1,564
1878	1,564	1,116	988	1,692

Taking a rough average, I find a proportion of 18 women convicts to 100 men. Further details respecting these convicts for 1878 will give some idea as to their crimes. There were sent to Nikolaefsk 476 men and 62 women. Of the men, 98 were removed to Dui, and 378 remained on the continent—300 on the Upper Amur, and 70 in the Primorsk province.

These 378 men were convicted of the following crimes :—

Murder	155	Insubordination to authorities	13
Vagrancy and assuming false names	55	Counterfeiting money	3
Running away	52	Seduction	3
Highway robbery	39	Incest	3
Theft	17	Removing railway irons	1
Robbery with violence	9	Crimes not mentioned	24
Arson	4		

The crimes of the 62 women were as follows :—

Murdering husbands	28	Theft	1
Murdering illegitimate children	6	Highway Robbery	1
Murdering other persons	17	Counterfeiting money	1
Arson	7	Vagrancy	1

one. This, perhaps, is an extreme in one direction. An exile, purporting to give information he had received from a prisoner at Dui, and also translating into French what was supposed to be addressed to me by a Russian soldier from Sakhalin, said that Tuesday and Saturday were flogging days at Dui, and that they flogged from 40 to 50 a week. This, I afterwards learned, was very much exaggerated; and I had strong suspicions at the time that my interpreter was making up a story for my note-book, which he saw me writing. It is, in fact, difficult to know what is the truth, as so much exaggeration has been used concerning the flogging of Russian prisoners.*

I saw at Nikolaefsk the wooden *kobyla*; or "mare," on which the culprit is laid; it is preferable, I should think, to the birching "horse" in the Middlesex prison, Coldbath Fields, though, of course, there can be no comparison between the birch and the plète. The latter is a truly fearful instrument, but it is right to remember that the Russians use it for the more part on such as we should hang outright. Corporal punishment cannot be inflicted in Russia on a free man for a first offence. Only the worst offenders are sent so far

* Goryantchikoff, in "Buried Alive," says a good deal about flogging, but some of his writing refers to the condition of things 50 years ago, and some of it is, to say the least, questionable; as, for instance, he *had heard* a story of an executioner giving 50 strokes or so more than was decreed, because the culprit was stubborn and did not ask pity. When I witnessed a birching at Nikolaefsk, a Cossack stood by, counting aloud every stroke; and when the plète is administered, a medical officer and others are obliged to be present. It is very unlikely, therefore, that a lictor would dare to give 50 extra strokes, even if he wished to do so. But, further, Goryantchikoff says, "400 or 500 strokes of a birch rod are almost sure to kill a man, and 1,000 strokes will kill the strongest man; but the same number of strokes with a cane will hardly injure a man of moderate constitution." And yet I have quoted the case of a soldier at Nikolaefsk birched with 1,100 strokes, who, a fortnight afterwards, saucily declared that he would receive them again for a bottle of brandy!

east as the localities where the plète exists; and according to the law (Article 808) this punishment is reserved for those who, condemned to hard labour, have committed further crime in Siberia, where it would seem there are not wanting some desperate characters.

When we passed through Ekaterineburg, for instance, a horrible incident had occurred only four days previously. A man had entered brandy-shops, ordered drink, and then presented a revolver to the salesmen if they dared to require payment, and had treated isvostchiks in a similar manner. He was summoned before the court, but through some technicality got off, and subsequently told one of his prosecutors that he would kill the lot of them; whereupon a number of isvostchiks set upon him, and wounded him with 30 stabs. Some four or five were awaiting trial at the time of my visit. Again, a murder took place during my stay at Nikolaefsk, at a small drinking-shop in the town, kept by a man and his wife. Two soldiers were in the habit of going there, and at night one said, "Let us go and kill those two and get what brandy we want." Accordingly, very early in the morning, they went, knocked at the door, and, on the man opening it, one of the soldiers stabbed him. The other, after some difficulty, killed the wife, and all but cut off her head. A serving woman narrowly escaped stabbing, but rushed out of the window and told the police. The soldiers were called out, and the two men identified, whereupon they both confessed their crime, and were taken to the guard-house to await legal proceedings, which would consign them, not to death, but to hard labour, it was supposed, in Sakhalin, for 15 or 20 years.

I think the worst thing I heard of Dui was about

themselves with insufficient or very bad clothing, the frequent cause of which should be borne in mind in connection with the reckless statements sometimes published respecting the clothing of Russian prisoners.

Making due allowance for exaggeration, however, I am disposed to think that there is real cause for complaint regarding the food at Dui, as to quality, if not quantity.* There are certain local circumstances which would render it likely that the prisoners' food in the Sea-coast province, and especially Sakhalin, would not be so satisfactory as in Western Siberia. The cost of provisions is very much higher in the east, and the Government does not appear to allow proportionately increased payment.†

Testimony went in the opposite direction as regards

* A civil officer, whom I know, was told of complaints about the food, to which he replied, "What can I do? They now get the supply of fish by contract, and allow so small a sum that I know it cannot be good. I can only bring the matter before my superiors, and, if they do nothing, I am powerless. I cannot pay it out of my own pocket!" Again, a naval officer told me that, in taking across provisions to the island, the smell of the fish on board was almost insupportable. The fish, he said, were bad, and the salt meat bad, though the bread was good.

† Thus I met with a gentleman who was elected director of the local committee for the prison at Nikolaefsk, to whom, for many years, the Government allowed only 13 kopecks per day to provide food for each prisoner. The committee petitioned for 25 kopecks a day, and it received 17, at which rate he believed it now stands. At that time 17 kopecks represented about 6*d.* a day, now they represent only 4½*d.* But three pounds of rye bread at Nikolaefsk cost 15 kopecks, and thus there was less than 1*d.* left for other kinds of food. The result, in the case of my informant, was that he often put his hand in his own pocket to the extent of £20 or £30 a year; but it is not likely that many can be found thus to act, especially in such a place as Sakhalin, where there is no colony, and the free inhabitants are very few. There is no philanthropic committee there at all, so that the management of the exiles is left solely to the administrative authorities. My informant said that the corn sent to Dui was good, but that the meat and fish were always bad, and that, in fact, the convicts scarcely ever got meat at all.

the prisoners' labour, and all seemed of opinion that they were not overworked. The agricultural convicts, from the great length and severity of the winter, are idle the greater part of the year. The Polish exile said, indeed, that the work was harder than at Kara, and that if the allotted amount of work were unfinished, the miners were flogged; but when the yearly output amounts to only 70,000 tons, it speaks for itself that the getting of this quantity and loading the ships therewith is a mere trifle for 1,000 or 1,500 men; and as in the other penal colonies of Siberia, convicts suffer more, I judge, from inactivity than from overwork. The miners spend 11 hours a day in the mine, from eight to noon and one till eight; and then return to their barracks or houses, not working, a German told me, so hard as English miners. One officer, who had been much in Dui, said that the daily task of a prisoner was not more than he himself could do in a couple of hours of really hard work, and that the men are idle and spin out the work.

Another, in answer to my question, replied that there was no difference perceptible in the general health of the convict miners and farmers; and the traveller I have quoted from the *North China Herald* goes so far as to say, "The conclusion we arrived at was, that contentment prevailed throughout, even the convicts giving no evidence of discontent."

To escape from the prisons of Dui has been comparatively easy, but it is almost impossible to get far away, owing to the scarcity of provisions and the nature of the country; and the difficulty will no doubt be increased when the cable is laid* from De Castries

* Alluded to in the *North China Herald* of August 5th, 1881.

Bay to Dui. From this spot the runaway must first walk 200 miles along the coast, and this through a country where he can get no provisions. He dare not show himself to the natives, since there is a price on his head, and they receive 6*s.* for taking him to the police, dead or alive; and even if he should succeed in crossing the six miles of ice to the continent, he is often compelled to give himself up to get food. Thus, out of 100 who were reported to have run away the winter before my journey, 32 were caught by the Gilyaks, and one case of cannibalism was said to have taken place among the starving fugitives. A terrible instance of the difficulty of procuring food in the Amur region occurred in 1856, when a battalion of soldiers was dispatched in September from Nikolaefsk up the river to Shilkinsk Zavod. They were overtaken by winter, and were compelled to draw lots as to who should be eaten. The survivors walked on the ice and arrived in safety. Mr. Emery told me he had more than once seen hungry runaways give themselves up to the authorities. Runaways when caught are flogged; but this does not prevent others from making the attempt to escape. During my stay at Nikolaefsk a rumour spread that a third of the prisoners landed by the *Nijni Novgorod* had escaped, having in their possession 30 revolvers; and as the small Cossack station on the island opposite the mouth of the Amur had only 15 men, it was feared they would be in a plight. Within a day or two the reported numbers sank to one-half, and I have since learned that 40 was the number—some newly arrived and others older convicts, and that 27 were caught.

With regard to the prison executive, there is a

resident priest in Sakhalin; and since my visit a schoolmistress has been sent for the convicts' children, who are kept in prison. I sent a supply of Scriptures and tracts for the prisoners and soldiers at Dui and Aniva Bay. In the *Nijni Novgorod*, too, there came out a priest and an assistant bringing with them a number of ecclesiastical books. The assistant and books had been sent, I believe, by the Consistorium, from which the priest at Vladivostock, at the time of my visit, was expecting £40 worth of ecclesiastical literature. To every 100 prisoners in Dui there are one superior and two under officers, all of whom are miserably paid. The usual charges of peculation and using for their own advantage the prisoners' work are brought against them; but with what amount of truth I cannot say. The most shameful abuse I heard of concerning Sakhalin was that formerly the female prisoners were allowed clandestinely to go on board the ships whilst coaling, and were expected, on their return, to share with the warders their licentious gains. This came from a prison official, but I cannot answer for its truth; though when I asked a Russian doctor if it was at all likely to be true, he thought it not improbable, and said that he had no doubt female prisoners could, by payment to under officers, get release for an occasional promenade. To what depths of rascality some of the prison authorities may descend, I know not; but one officer, of whom I thought highly, told me that he had been sometimes appointed to inspect Siberian prisons, and in one of them, which he named, he found the director had committed such frauds that, could he have hanged him, he would have done so. As it was, he reported him to his chief, and the man

was removed. On the sea coast they say the heaven is high and the Tsar is far off; and a bribe goes a long way in diverting the hand of justice. For instance, one merchant declared that released convicts had sometimes stolen his goods, but that he could not get them punished because the offenders bribed the police. At Nikolaefsk they testified that one convict, a murderer, who ought to have been fast in prison, was allowed, for handsome payment, the run of the streets; though, like John Bunyan in Bedford Gaol, he was obliged to be in prison when inspectors came. This may be sufficiently shocking to English readers, but not less so, perhaps, the following from nearer home. When visiting one of the largest and best-managed prisons of England, and pointing to the warders in broadcloth, I said to the gentleman conducting me, "Do you think these men can be reached by a bribe?" To which he replied, "I have not the smallest doubt of it; they bring in tobacco and eatables to the cells, and we are powerless to prevent it. A prisoner, for instance, informs his warder as to the whereabouts of his friends, and perhaps asks him to call. On doing so the warder can inquire, 'What would you like me to do for your friend who is under my charge? and what will you give me for doing it?'" A simple-minded woman, in her innocence, came one day to the chaplain of a prison I know, complaining that it "cost her so much to get little comforts to her incarcerated husband"; and then came out the story of the warder's exactions, which at last had exhausted her means and patience!

The reader will have observed that, in speaking of Sakhalin, I have only given the testimony of others, as

I did not go to the island. I entered one prison only after leaving Nikolaefsk—that of Vladivostock, and I may here, therefore, sum up my personal experience of Siberian prisons.

I have met with a deep and almost universal conviction that the prisons of Siberia, compared with those of other countries, are intolerably bad. This I cannot endorse. A proper comparison would be between the Russian sent to Siberia and the English convict as formerly transported to Botany Bay; but, comparing the convicts of the two nations as they now are, and taking the three primary needs of life—clothing, food, and shelter—the Russian convict proves to be fed more abundantly, if not better, than the English convict; and the clothing of the two, having regard to the dress of their respective countries, is very similar. The floors of Siberian cells are not of polished oak, as in Paris, nor are the walls of stone slabs, as in York. Siberian prisons have not fittings of burnished brass, with everything neat and trim, as at Petersburg; but then, neither have the houses of the Siberian people. The average peasant, taken from his *izba* to prison, need experience no greater shock than does the average English criminal when confined in jail. A convict's labour in Siberia is certainly lighter than in England; he has more privileges; friends may see him oftener, and bring him food;* and he passes his time, not in the seclusion of a cell, nor under imposed silence, but among his fellows, with whom he may lounge, talk, and smoke.

I am now looking at things from a prisoner's point

* The best conduct of an English convict would not entitle him to a visit from friends oftener than once in three months, and they may not bring him anything.

of view, and referring more especially to his animal requirements. When we look at his intellectual, moral, and religious nature, then it must be allowed my former comparison, as between Russian and English prisons, no longer holds good. The English convict, if unlettered, is compelled to attend school; the Siberian is left in ignorance. In the case of the English prisoner, some attempt, at all events, is made at his moral reformation. When he enters the prison, and on subsequent occasions, it is the chaplain's duty to see him privately; and having learned, if possible, his moral condition, to point out the cause of his fall, and to show him the way to rise; and these efforts are attended with more success than is known to the general public. Once more, the English prisoner has opportunity of daily religious worship—in some establishments twice a day, religious instruction twice a week or oftener, and this sometimes ends in the happy result that going to prison proves the turning-point of a life.

But I can hardly conceive this happening to a Siberian prisoner. Chaplains, in our sense of the word, are unknown; and even if the criminal be softened at the thought of leaving home or friends, or otherwise, he is turned loose among a herd of sinners more wicked perhaps than himself, with the imminent probability that he will speedily become as abandoned as they. If condemned to hard labour, he is robbed of the Sunday and attendance at church; there is none to point him to higher and better things, and hence he too often becomes a wreck both for this world and the next. Once more, there are in England voluntary agencies meeting the prisoner on his release with an endeavour to minister to his temporal and spiritual good, so that, if he desire

to lead a reformed life, he is helped to do so; and there are hundreds of former inhabitants of our prisons who to-day are respectable members of society. But in regard to the spiritual good of the Siberian prisoner, the Russian system is sadly deficient. The exile, it is true, is settled in a village, in possession of land where, if he chooses to work, he may satisfy his wants, and, as regards material things, begin life anew; but he is known as a convict, and too often does not care to retrieve his character. A doctor, holding a high position in Siberia, told me that he thought the convicts, when released, did not as a rule become reformed. They find difficulty, he said, in persuading peasants to give them their daughters in marriage; and if they marry released female convicts, these have almost always been women of bad character, who bear no children. Hence the men, having no home, often work during the week only to supply immediate wants, and to save enough for a drink on Sunday. Such was his testimony, from which it would appear that Siberia furnishes another illustration of the truth that reformation, to be worthy of the name, except on a religious basis, is impossible.

CHAPTER L.

THE USSURI AND SUNGACHA.

From Nikolaefsk to Khabarofka.—Proposal to move the port.—Military forces in the province.—Departure for Kamen Ruiboloff.—The Ussuri.—Visit to a parish priest.—The native Goldi.—Missions of the Russian Church.—Pay of missionaries.—Head waters of Ussuri.—The Sungacha.—Cossacks.—Visit to a Cossack stanitza.—Chinese houses.—Lake Khanka.—Arrival at Kamen Ruiboloff.

ON Saturday night, August 30th, I left Nikolaefsk for Khabarofka, pleased with the prospect of travelling 700 miles where no English or American author had gone before. By Sunday morning we reached Tyr, and Mariinsk and Sophiisk were passed on Monday.*

As we approached Khabarofka, on Thursday evening, summer appeared to have returned. The small steamer bound for the Ussuri did not start for 24 hours after our arrival, and so I had another day in Khabarofka, which just then was in a state of excitement.

* At all of these places I distributed tracts or sold my books, some of the latter at a shilling each; but the people purchased them so readily that I had not a sufficient supply. In this work I had a willing helper in Captain Stjerncreutz, who in his university days had learned a little English from a lady at Helsingfors. At our stopping-places he usually became the medium through whom I gave a bundle of books to the local priest, to be distributed to the Russians. Some of these priests worked also as missionaries to the Gilyaks. I met one at Tyr, and another, Peter Logimof, at Mikhailofsk. The last told me he had baptized 200 aborigines in seven years.

General Tichmeneff was there, with a commission sent to the Sea-coast government, to consider whether or not it was desirable to move the port from Vladivostock. In early years Ayan, and next Petropavlovsk, was the Russian port in the Pacific; then it was removed to Nijni Kamchatka, afterwards to Nikolaefsk, and from thence, in 1865, to Vladivostock. From a strategic point of view the situation of Vladivostock was considered unsatisfactory, and when it looked possible, in 1878, that England and Russia might go to war, the apprehensions of the authorities were aroused, and some of the foreign merchants of the port, preferring not to run the chance of a siege, decamped to Japan. The question then was whether the Government should spend some £300,000 or £400,000 in the defence of Vladivostock, to make it a military as well as a naval stronghold, or move to another harbour that could be more easily fortified. This was the talk of the province during my stay, and steam, telegraph, and postal services seemed busy in doing the behests of the commission. I caught sight of the general as he and his staff embarked on the *Onon* for Nikolaefsk; and I have since heard that he has been appointed military governor of the province, to live at Khabarofka, whilst Vladivostock continues as the head-quarters of the fleet, and Admiral Erdmann has been recalled to Russia, and is now Governor of the Port of Reval.

I made it my business to call upon Major Evfanoff, the commandant, as I wished to place Scriptures in the barracks, and to give other reading material for distribution among soldiers and Cossacks. At Nikolaefsk I had entrusted upwards of 1,200 books and tracts to Colonel Ossipoff, which he distributed during my stay;

also at Sophiisk I left a parcel of 500 with Colonel Ussufovitch.* The major expressed his willingness to carry out my wishes at Khabarofka, though he did not see how the books could be allowed to lie safely in the barrack-rooms for every one's use. I was therefore obliged to ask him to carry out my intentions in the way that was most feasible, and he subsequently told me that the soldiers were highly pleased, and thankful for the distribution.

Besides the books left for the barracks and hospital,

* I learned that in the Primorsk were 6 battalions of infantry, namely, at Nikolaefsk, Sophiisk, Khabarofka, Sakhalin, Kamen-Ruiboloff, and Vladivostock; and 8 batteries of horse-artillery, namely, at Nikolaefsk, Khabarofka, Sakhalin, Nicolsk, and Paseat. From the "Russian Officers' Handbook," published at Petersburg by the Ministry of War, it appeared that the number of soldiers in East Siberia, in 1878, was 17,610, with 130 guns; namely, 10,640 infantry, 1,300 artillery, 270 sappers and miners, and 5,400 irregular cavalry. More particularly they read as follows:—

Infantry.—Blagovestchensk, 400; Irkutsk, 900; Chita, 300; Stretinsk, 240; Yakutsk, 700; Kara, 470; Kiakhta, 470; Nertchinsk, 470; Sakhalin, 1,100; Olga Bay, 180; Paseat, 340; Vladivostock, 1,000; Kamen Ruiboloff, 1,000; Sophiisk, 1,000; Khabarofka, 800; Nikolaefsk, 800; De Castries Bay, 400; Barracouta Bay, 70.

Heavy artillery.—Chita, 250; Khabarofka, 250; Nikolaefsk, 800.

Field artillery.—16 batteries, of which 8 were in the Primorsk, of 8 guns, having 12 horses to each gun, and 2 mountain batteries.

Sappers and miners.—30 torpedo men and 240 engineers.

Irregular cavalry.—9 Cossack regiments of 600 each.

In war time the Cossacks of the Amur and Ussuri send 6 mounted regiments, of 560 each; 9 foot regiments, of 920 each; and 2 batteries of horse artillery. Of these, 500 are in constant service.

On the frontier service were 2 regiments, each of 400 mounted Cossacks; and 15 companies, of 133 each, of foot.

For the service of the Etape prisons of Eastern Siberia were employed, from the Yakutsk regiment, 400, and the Kamchatka regiment, 200. It is from these last two, I suppose, are supplied the Cossack posts I heard of from Behring's Strait round the Sea of Okhotsk, serving as police, and distributed thus: Anadir, 13; Petropavlovsk, 59; Tigil, 17; Ghijiga, 42; Yamsk, 7; Okhotsk, 32; Ayan, 12; Udskoi, 10.

The following is the constitution of an infantry *regiment*, which is divided into 3 or sometimes 4 battalions, of 1,000 men each, in war time

I did a stroke of business with the merchant Plusnin, selling him a bundle of 250 tracts, hoping thereby to get them distributed; and had not my stock failed, I would gladly have sold to him, or sent to Blagovestchensk, some copies of the Scriptures for the Molokans, who, I heard, are the largest purchasers, as I suppose they are the greatest readers, of the Scriptures on the Amur. Thus, having done what I could for Khabarofka, I prepared to leave it on Friday night, September 5th.

The steamboat agents and officials were exceedingly kind to me, apparently out of regard to what I was doing. A man said at Nikolaefsk that the chief director had been staying with him, and had he known that I was coming on such an errand, he should certainly have asked for me a free passage. As it was, the clerk would not hear of taking anything for the carriage of "the holy books," and a first-class cabin was given for my sole use at a second-class fare, and this was

or on the frontier. Superior officers: 1 commander; 1 adjutant, 1 treasurer, and 1 commissariat. To each battalion 1 commandant, 1 adjutant, 1 treasurer. Each battalion has 4 companies, No. 1 being called "skirmishers," and consisting of a fixed number of 240 men, 1 captain, 2 lieutenants, 2 sub-lieutenants and non-commissioned officers, 1 field assistant, and 1 under officer to every 5 men. Companies 2, 3, and 4 have not a fixed number of men, and there is an under officer to every 10 men only.

In the book quoted above appeared the military officers' pay; but they get several additional allowances, everything being provided for them except food. The pay of officers is:—

Generals	from	£152	to	£254	per annum.	
Colonels	„	58	„	103	„	„
Captains	„	54	„	66	„	„
Staff Captains	„	50	„	68	„	„
Lieutenants	„	40	„	60	„	„
Sub-Lieutenants	„	37	„	54	„	„
Cornets	„	34	„	51	„	„

repeated on the Ussuri.* The great General Tichmeneff had been the last occupant of my cabin, and it was draped with Brussels carpet, apparently new, the stately proportions of the room being 6 feet long by 4 broad and 7 high; which I feared his Excellency, who was bigger than I in more senses than one, must have found exceedingly small.

The Ussuri, after the Sungari, is the most considerable of the rivers which join the Amur from the south. It flows from the south-west to the north-east in the valley that separates the two parallel ridges of the Shan-alin and the Sikhota-Alin mountains. At Khabarofka it measures nearly two miles wide, having at its mouth three islands and two sandbanks, with an ordinary depth of 10 feet, though after the summer rains it rises to 19 feet. Ascending 25 miles, the width diminishes to a mile and a half, the depth never exceeding 20 feet. The Ussuri was chosen in 1860 for a frontier, so that we now had Russian territory on the left, and Chinese territory on the right. The Chinese bank is for the most part flat, but the horizon is bounded by low mountain peaks. The Russian bank is mountainous and richly wooded, being formed of the western slopes of the coast range, which give birth

* The *Onon*, from Nikolaefsk, was smaller than the *Zeya*, in which I travelled from Kara, but cleaner and better managed. She was about 20 years old, had Belgian engines of 30 horse-power, and carried 5 machinists and 8 sailors. My fare and steward's bill to Khabarofka cost 3 guineas. The *Sungacha*, about to ascend the Ussuri to Lake Khanka, was a still smaller boat, 90 feet long, and drawing 3 feet of water. Her engines were of 40 horse-power, and 15 years old. Towing a barge with third-class passengers and cattle, she could make 5 or 6 miles an hour against the stream, and 8 with it; but without the barge she could go 10 miles against the stream, and 16 with it. I hoped accordingly to accomplish the 500 miles to Kamen Ruiboloff in 5 days, for which I paid as fare 35*s*.

to a number of streams, the Chirka, Bikin, Por, and others, which flow in on the eastern bank of the Ussuri. The largest of the streams flowing in on the western bank are the Nor, Muren, and Sungachia. At the confluence of the Chirka the river is a mile and a quarter wide. For 30 miles further the mountains retire, and the bottom land thus left is richly, though not thickly, wooded with aspens, willows, oaks, and elms. Opposite the mouth of the Por, which flows in on the Russian bank, were a few Chinese houses called Sunchui. We had passed a similar group on the first day's travel, and subsequently came to three others, one of which, opposite Graphskaya, was called Vikul Uima. The right bank was almost uninhabited. Within 70 miles from Khabarofka we passed, on the Russian bank, six stations, and among them Kazakevich (where was a military post, at which I gave some books to Colonel Glen); Dyachenkova, a village of seven houses; and Trëkh-svyateeteley, or the "station of three saints." Another euphonious name was given further on to a collection of houses called Vidnaya, or "the beautiful," where the Ussuri divides into three channels.

On Sunday morning we arrived at Kozloffskaya, or the Goat station, having a telegraph office and a church. Service was over, and I called on the priest, John Voskresenskie (which means resurrection), a man who, if not—

> "To all the country dear,
> Was passing rich on *sixty* pounds a year!"

His parish extended along the river's bank, 30 miles to the north and 50 to the south, and he ministered to

10 villages. To the most distant he goes eight times a year, to the others once a month.*

Most of the houses at Kozloffskaya had gardens, in some of which maize was growing. There was also a private chapel, erected by one of the tradesmen. At the next station, Vasilyeva, the Bekin flows in on the Russian bank, and the mountains here reach their highest.

On Sunday evening we passed a deserted village of 10 log houses, called Pashkova, from which the inhabitants had migrated in a body further south. On the Chinese bank the hills, well wooded to the top, approached the river. In the course of Sunday night we were delayed nine hours by fog, and during the next day stopped for a chat with a steam launch, used, if I mistake not, for the telegraph service. This was the only craft, excepting the canoes of the natives, that we met. Seven stations more were passed, and on Monday evening we arrived at Krasnoiarskaia, having completed half our voyage.

The principal natives of the Ussuri are the Goldi. In addition to what I read and saw of these people, I acquired a great deal of information from Alexander Protodiakonoff, the priest of Khabarofka, who has been a missionary hereabouts for 23 years. At Malmuish

* Help came to me once more from the telegraph station—this time in the person of the wife of the manager, and through her I gave the priest some tracts, but he declined to purchase New Testaments, even at a reduced price; at which I was not surprised when he subsequently told me that he occasionally preached to the people for five minutes on Sunday, but that they complained of the sermons as "too long." What he would not buy, however, the third-class passengers on the barge speedily did, and I then gave some copies to the captain for the use of the passengers of the *Sungacha*, as I had done to Captain Stjerncreutz for the *Onon*.

a missionary, who had 3,000 Goldi in his district, came on board the *Onon*, from whom I gathered that he had been a priest only a year, during which time he had baptized 50 persons. This man called one of the Goldi passengers to explain to me the use of my Gilyak idols.

The Goldi are of the Tunguse family, and belong to the Mongolian race. Their number was estimated by Collins at 2,560, but a missionary gave it me as about 6,000. Their habitat extends along the Amur to the country of the Gilyaks on the north, and on the south to the Upper Ussuri, whilst laterally it extends from the mouth of the Sungari to the sea coast. The mortality among them, as among the Gilyaks, is great, but they are, nevertheless, thought to be on the increase. Their physiognomy is distinctly Mongolian. They imitate some of the customs of the neighbouring Manchu, amongst others that of shaving off the hair, with the exception of a tail, which they wear on the top of the head. They do not, as a rule, cultivate the ground, even for garden produce; and such vegetable food as they use, millet or rice, they get in exchange for furs. We did, however, pass two or three Goldi huts where millet was under cultivation, and where the natives looked unusually dirty. Their houses and clothing I have already spoken of as resembling those of the Gilyaks.

Their communications with the outside world are extremely limited. The only foreigners they know are Russians and Chinese. When, therefore, the natives asked who I was, it was exceedingly difficult to make them understand, as they had never seen an Englishman before.* The Goldi, long used to dealing with

* Perhaps it was as well that I had no malformation or physical peculiarity about me, for Prejevalsky relates his meeting a Mongolian who had

GOLDI IN WINTER DRESS. *Page 672.*

the Manchu, still use their money, weights, and measures, also their musical instruments. I was told they do not sing. Each village has its chief or elder, as formerly, under Manchu rule, but they are gradually becoming Russianized. Twenty years ago they used to have drunken fights, village with village, but this practice is now abandoned, and their treatment of the dead is growing more decent; not that they used, like their Mongolian congeners, the interior of their dogs for burying-places, the corpse being cut up and eaten, but they had in each village a house for the dead, which, in summer, stank so horribly as fairly to drive the people away. In these buildings the clothes and arms were placed with the corpse, and children and friends entered from time to time to mourn. A missionary told me he had seen one of these houses within the past 10 years, but that now the Goldi bury their dead, as do the Russians.

I spent part of my last evening at Khabarofka at the house of Peter Alexander, protodiakonoff, or arch deacon, of that town and two neighbouring villages, with a population of 260. He told me that the missionary district he superintended, in addition to his parish, extended from Orlofsk to Ekaterin-Nicolsk on the Amur, and from Busse on the Ussuri to Khabarofka, a river line of about 700 miles. At the time of my visit the priest and his brother were engaged on a translation of the Gospels, and as he did not appear to know how to get it printed, I recommended him to apply to the British and Foreign Bible Society,

seen but one Englishman in his life, who lived at Kiakhta, and who had, unfortunately, lost one of his legs, whereupon the man of the desert had come to the conclusion that all the English had wooden legs!

whose obliging and energetic agent in Petersburg, Mr. Nicolson, had desired me to be on the look-out for new Siberian translations. The Russian liturgy had been already translated into Goldi. The priest gave me a photograph of a group of Goldi Christians, wearing ear and nose rings, and embroidered garments of fish-skin. I set great store by the picture, for it is a rarity. The natives have not yet become vain of their faces, and do not like to be photographed. This group had been taken for the priest who baptized them. In the background is the village starosta, and in front the patriarch of the group, whilst a large number of the other figures are women. I know not whether many of them were the patriarch's wives, of whom, before baptism, he intended to have a sale. If so, he must have been rich, for one of the Goldi, of whom I inquired the price of wives, said that if paid in money they cost from £50 to £70; and if in goods, then from four to seven pieces of "stuff," but he did not say whether it was to be silk, linen, or blue nankeen.

Peter Alexander, the archdeacon, in 23 years up to October 1878, had baptized 2,000 natives; 403 were Orochons (he computed them at 3,000 in his district), and 1,501 were Goldi.*

* Since the previous October he had baptized an additional 50 Goldi, and he thought that what Gilyaks there were in his district were all baptized. Formerly, he said, natives when willing were baptized, though they understood nothing of what was being done, but in his own case he required them to know certain prayers. After baptism they were expected to attend church when there was one near, and to come to communion once a year. I learned that some of the native Christians, as might be expected, relapse into heathenism, especially in time of sickness, when, having perhaps no doctor near, they send for the shaman. It did not appear, however, that the profession of Christianity exposed them to persecution.

I had heard it stated that the Russian missionaries *pay* the heathen to be baptized. One of the missionaries told me that he believed there were priests who gave rewards to their converts, though he had not done so, and he thought it possible that a few natives presented themselves more than once to different priests for baptism, hoping to gain thereby. Another allegation, that of a nobleman, was that the converts were "bribed." But this kind of statement is so frequently made by those who look coldly on mission work that I did not regard it as proven. My informant said that he had seen at Irkutsk that they gave to the Buriats shirts, crosses, and a few roubles; and that often the same Buriats came again for baptism the following year. Also an Ispravnik, interested in the Buriat missions, told me they sometimes gave converts five roubles or so when poor and privately persecuted. Accordingly, I inquired concerning this of the archdeacon, and he explained by telling me that the last 400 he had baptized had received nothing, but that previously each candidate had been supplied, at the expense of the Missionary Society at Blagovestchensk, with a new shirt, a cross to hang on the neck, and an ikon. The reason for this would be evident to any one who knows Siberia. There would be no towns near, where the Gilyaks, for instance, could buy crosses or ikons, and without the possession of these I suppose it is doubtful whether a Russian could be persuaded that he was a Christian at all. Again, the new shirt might represent the chrisom, or baptismal robe; and even if not, the people's ordinary garments (of fish-skin and dog-skin) are so filthy that it would be only becoming that for

once in their lives, at their baptism, they should look decently clean. The Protodiakonoff told me that on his journeys he used to take two or three hundred shirts and crosses, stay in a village for two or three days, and then sometimes baptize as many as 40 at once; especially when he could bring over a rich man, for then the poorer ones followed.

I came, therefore, to the conclusion that the charge of bribery on the part of the missionaries was not well founded; but, on the other hand, it was equally plain, upon their own showing, that the Russian missionaries differ widely from the English as to what constitutes proper qualification for baptism.* I asked the priest at Khabarofka concerning the pay of missionaries, to which he replied that he to whom I had spoken from Malmuish received £25 per annum, and he himself received £30 as a missionary, and 241 roubles 62 kopecks, or about £24, from another source—say £55 in all. Others had represented to me that he received £250 a year; so perhaps this was exclusive of his offerings, which I heard might vary from 6*d.* to £1 for baptisms, and from 6*s.* to £5 for a wedding. Also it is usual to call in the priest after a death to say a "panychid," or office, the name of which suggests a prayer all night long, but which lasts an hour, and for which it is usual to give

* Their work seemed very nearly a repetition of the wholesale baptism at Kief by command of Vladimir, or of the baptisms by Roman missionaries of whole villages at a time. The first missionary whom I questioned thought it enough if, before baptism, the candidates could say the short prayers of the Russian Church; the second appeared content with less than this. Further south, however, I met a parish priest who was not a missionary proper, but who in ten years had baptized ten persons; and in his case he said he had usually kept his candidates under instruction for a year or more.

from 6*d.* up to £1. Offertories, too, are collected each Sunday for the priest, orphans, church, etc., according to the object, for which each of several plates is carried. I gathered that the support given by the natives to their pastors and the church consists of the purchase of candles to the extent of a few pence and an occasional sable-skin. The house and library of the Protodiakonoff did not look as if its owner had an income of £250 a year; but his home was neat and clean, though simply furnished, and his wife and daughters were becomingly dressed. I was glad to hear an excellent report of this missionary, who was said to be a good man and learned. It was his custom actually to preach or read a sermon every Sunday, and he had a crowded church in consequence. I suppose he did not profess that his sermons were all original; for when, on board the *Onon*, he caught sight of a tract I had given to the steward's boy, he immediately seized it, and wrote thereon "for a sermon."

I thought this missionary the most hard-working priest I met in Siberia, and I was very glad to have obtained from him what I consider such trustworthy information concerning the Goldi. The last representatives of this race I saw at the little village of Krasnoiarskaia, 260 miles from Khabarofka, where a man and woman were standing on the banks. The man had a Manchu matchlock with no butt, but having a handle something like that of a pistol. It had a flint and hammer, pulled by a very clumsy trigger. Of the woman I bought her ear- or nose-ring.

On the fourth day, Tuesday, we arrived early in the morning at Busse, where was another telegraph

station. Up to this point we had passed on the river 10 tributaries on the right bank, and 17 on the left. About an hour before noon, we changed our course from the Ussuri to the Sungacha; but, before leaving the Ussuri, I would observe that its head waters are formed by the confluence of the Daibecha and the Ulache, together with several smaller streams. One of them, the Sandugu, rises only about 50 miles from the coast at Olga Bay, and on the banks of the Daibecha gold has been found. I learn, too, from the *North China Herald*, that a few miles from Vladivostock (in what direction is not stated) coal-mines on a large scale are being opened up by Mr. S. Morris, whom I met, if I mistake not, and that they promise to yield well. The Ussuri is navigable several miles higher than Busse, and could a railway be constructed (to which the country offers, I am told, no special obstacle) from Vladivostock to the most southern navigable point of the Ussuri, a means of communication would be made for the carriage of merchandise and passengers, which would be of the utmost importance to the Ussuri valley, the only military and commercial route leading from the Amur to the southern parts of Russian Manchuria.*

On the morning of Tuesday, the 9th of September,

* The entire length of the Ussuri, between 43½° and 48½° N. Lat., is 497 miles. The upper part of the river has a rapid current, and it is swift below the confluence of the Sungacha to the Muren; but for its remaining 300 miles it has a current of two miles an hour only, which is slow compared with the three miles of the Amur, and the four miles of the Shilka. The stream, frequently divided by islands, presents no peculiar difficulties to navigation. Its scenery has a quiet English park-like beauty that never wearies, though it cannot boast the grandeur of the Amur, which combines the beauties of the Rhine and the Danube, and is, taken all in all, the finest river I have travelled.

we entered the Sungacha. It enters at right angles on the western bank of the Ussuri. The Sungacha, flowing out of Lake Khanka, is the largest of the Ussuri tributaries, and the most tortuous river on which I have been. A straight line from its source to its mouth measures but 60 miles, whereas along its channel it measures nearly 180 miles, and I do not think we traversed a single half mile without a bend. Great skill, therefore, was required in steering both steamer and barge. So sharp were some of the curves that, when the former had turned the bend, the two crafts appeared to be proceeding in opposite directions. The steamer at such times slackened speed, but even then, on the first day, the barge twice ran into the muddy bank, and temporarily stuck fast. The Sungacha is from 20 to 60 feet deep, from 100 to 110 feet wide, with a current of two knots. In some parts it is barely 100 feet wide, and in two places only from 8 to 12 feet deep.

Black and turbid as was the water of the Ussuri, it was limpid compared with that of the Sungacha, which was unusable for cooking. A supply of Ussuri water was therefore taken on board, and this implies a good deal, since the Siberians are not too nice in this respect, and are accustomed to the use of river and surface water only. I saw turtles in the Sungacha, and learned that this river, as well as Lake Khanka and the Ussuri, abounds with all kinds of fish, especially carp, sterlet, and salmon.*

* It is said that during the floods, when the Ussuri becomes a series of lakes connected by shallows, the traveller can with his hands, in spawning time, lift off salmon by the dozen from the banks, and in certain confined places may even hear the rippling of the water caused by their fins. The turtles in the Sungacha are eaten by the natives, but not by the

There joined us at Busse a telegraph officer named Adamson, who spoke German, and, with whom I was able to employ my smattering of that tongue to good effect. Hitherto I had not exchanged many ideas with my four fellow first-class passengers, one of whom was a veterinary surgeon, and two others Russian and Polish officers. The horse-doctor and the Pole seemed to have no mental resources whatever; and regarding them as types of Siberian "society," it was not difficult to understand the dismal complaint of a physician I met, that he had no congenial companions, there being nothing cared for in the town above the level of wine or cards. These two passengers played incessantly, and, excepting at meals and during sleep, I doubt if cards were out of their hands for a couple of hours during the passage. One night the Pole, even after he had gone to bed, got up to play another game. The captain was very obliging, and gave me a chart he had made of the Ussuri, which is valuable, there being only two original writers, as far as I know, on any considerable portion of this river—namely, Venyukoff and Prejevalsky.*

On the day we entered the Sungacha, we came to one station only—Markova, which was the last collection of houses that could be dignified with the name of a village. All the stations beyond were Cossack pickets,

Russians. They lay their eggs on the margins of the stream, and one of our crew amused himself by shooting the animals as they basked in the sun.

* I learned that the three steamers by which I had travelled on the Amur and Ussuri belonged to the same Company, the managing director of which receives £1,200 a year. The captain of the *Sungacha* received £21 per month, the second captain £10, the steersman £4, the other sailors £3, and the machinists from £4 to £5 per month each; but during a large part of the year, when the river is frozen, they have little or nothing to do.

and consisted of one or perhaps two houses, at which horses are kept for the postal service in winter. There were six of these pickets beyond Markova, making a total of 36 stations between Khabarofka and Kamen Ruiboloff. Among them are four villages only with a church—namely, Kazakevitch, Ilyinska, Kozloffski, and Venyukova, with a resident priest to each of the first three. Among the stations were likewise 21 Cossack stanitzas or settlements, containing from one to a hundred houses each. Also, between Kamen Ruiboloff and Vladivostock are ten stanitzas and three churches. Markova was a Cossack stanitza, and as we stayed there for an hour or two, I enlisted the services of Mr. Adamson, and peeped at Cossack life.

Cossacks of old were warlike people, who lived a free-and-easy life on the border, frequently ravaging their neighbours' herds, whom the Russians reduced to subjection, but left them many privileges. When the Amur came into the hands of the Tsar, it became necessary that the Russian frontier should be guarded, and, if possible, settled. General Muravieff therefore took many of the children of convicts, called them Cossacks, and placed them, together with voluntary emigrants from the Trans-Baikal province, in stations, about 10 miles apart, along the Amur and the Ussuri. Land was allotted to them, and they were supplied with cows, horses, farming-stock, and provisions for a year, after which time they were expected to take care of themselves.* The mounted Cossacks are em-

* It not infrequently happened, however, that they came at the end of the year begging for further assistance, which was given, and the result has been in many cases to make them idle. Captain De Vries told me that he had seen grass and weeds growing six inches high in their corn, which, owing to bad cultivation, stood only six inches higher. Cossacks

ployed to keep the boundaries, and many of the foot Cossacks act as police. When not engaged in service they are free to farm, rear cattle, hunt, or, in fact, turn their hands to what they please, though they are liable to be called up in time of war, almost to the depopulation of a whole neighbourhood.* This accounted for the deserted village of Pashkova, and I learned that the service is not unpopular; for when the Government wanted 800 men wherewith to found a colony on the shores of Lake Khanka, there was no lack of volunteers—a circumstance sufficiently explained by the fact that in such cases they get new farming stock and provisions.†

On the Ussuri the Cossacks are expected to keep off the Chinese smugglers, and even traders, who are not allowed to settle on the Russian bank except under proper restrictions. Cossack habitations, therefore, represent the utmost bounds of Russian life.

Markova consisted of rather more than a dozen

enjoy to a certain degree the privilege of self-government. They elect, for instance, their own officers, who, after a service of 35 years, receive rank as if in the regular army. On the other hand, they have to supply a certain number of fighting men, of whom 10 per cent. must be engaged in active service continually each for two years, and all are drilled for one month in every year.

* When settled in a locality they cannot leave it at will, though, if they can raise themselves to the position of merchants, they acquire greater liberty. Sometimes a whole village is moved to a new colony, and the inhabitants find themselves in a strange district, but with their old comrades and neighbours.

† A Cossack's pay ranges from 10*s.* 6*d.* to 13*s.* a year, which is less than that of infantry soldiers, whose monthly pay I learned at Vladivostock was for recruits, 1*s.* 6*d.*; soldiers, 4*s.*; under officers, 10*s.* 9*d.*; and field assistants, 30*s.*; whilst cooks, tailors, bootmakers, and barbers each receive about 1*d.* a month from every soldier in the company. Every soldier also subscribes 6*d.* a year for religious purposes. Whether Cossacks, when called up, have the same food as soldiers of the line I know not, but the latter in time of

houses, of which only seven were inhabited. I entered some of them, and was struck with their cleanly and orderly arrangement, as compared with the houses of the Russian peasantry. In the first the floor was strewn with hay, the walls were whitewashed, and on one of them was displayed a quantity of table ware, consisting of seven forks, four spoons, and a ladle. On a plate-shelf stood a teapot, slop-basin, two dishes, and four plates, a mug, cup, and two glasses. Near the door hung two bundles of squirrel-skins, and a sheepskin coat, whilst in the corner was a well-known feature in every Cossack's house,—a handmill for grinding corn, worked by the Cossack's wife. A larger mill in the village was turned by horse-power, but with the slender result of grinding only 3 cwt. of meal a day. I saw, too, rope made of lime-tree bark, good for use in the water, and large fish-hooks on which the fish of the Sungacha hook themselves whilst playing with the float. In another house was a Cossack's hunting gun, with a two-legged rest and a flint lock, which is said still to be preferred to more modern kinds. In a third house I bought some hazel-nuts. I had been unable to procure any fruit since leaving

peace have as follows :—Per day 3 lbs (Russian) of rye bread, ¾ lb. meat, vegetables 1½ lb. in summer and 1 lb. in winter; also, per month, 37 lbs. oatmeal, 4 lbs. peas, 2 lbs. butter, ⅓ lb. sugar, ⅙ lb. each of brick tea and salt, and ½ pint of vinegar. These, too, are the rations of Russian sailors on shore. The clothing for soldiers I learned was as follows :—Yearly, 2 caps, 2 pairs of cloth trousers, and 2 of linen, 2 linen shirts for gymnastics, and 3 for ordinary use, 3 pairs linen drawers, 2 pairs high boots, 1 pair shoes, and 2 pairs of cloth gloves. Every other year, a thick cloth coat, long overcoat, hood, and skull-cap. A belt is expected to last 3 and a set of buttons 5 years. What proportion of this clothing is supplied to Cossacks I do not know. It may very well be that they receive less, seeing that they give to the Government less time and less labour than the ordinary soldiers.

Khabarofka, nor could I succeed at Krasnoiarskaya in getting cucumbers.

After leaving Markova the banks of the Sungacha continued flat, and were all but uninhabited. Our ceaseless windings on the river continued till Wednesday evening, when we arrived at Lon Mayo, on the edge of Lake Khanka, where, on the Chinese bank, were two small houses. They were inhabited, apparently, by men only, and those very dirty. Within the house I entered there was an inner compartment, where, among other objects, I observed a heavy stone for grinding corn, a well-made wicker shovel, and a huge brandy bottle, or cask, made of a sort of coarse *papier-maché*. The building was thatched, and at a distance of two or three yards stood the chimney, constructed of the hollowed trunk of a tree, and plastered with mud at the bottom. In the yard was a cart, with clumsy Chinese wheels, and troughs for cattle, hollowed, like canoes, from the trunks of trees. Bricks, made of mud and rushes, were drying in the sun, and men were busy pulling hemp into threads. In the garden was a small heathen temple, the size of a sentry-box, into which they did not object to my looking. Two poles stood in front, and inside, a table, with a picture over it, a pan and vase, with joss-sticks and some fish-hooks. Not far distant I noticed a field of "buddha" or millet growing, and attempted to approach it by crossing a boggy plot, but was compelled by mosquitoes to beat a speedy retreat. The Ussuri and Sungacha are famous for these insects, as was suggested by the mosquito blinds of the steamer; but a slight breeze and the comparative lateness of the season delivered us.

The Khanka Lake might be called a "Mediterranean," for such is the meaning of the Chinese word "Khan-Kaï," which the Russians have changed into Khanka, spelt also Khinka, Hinka, and Kenka.* Its superficial extent is more than 1,200 square miles, but, notwithstanding its size and high-sounding name, it is little more than a huge inundation, for its depth is in no part more than seven feet. In early summer one can sometimes walk into the lake, half a mile from the bank, without finding more than 10 inches of water. Hence I had been warned that the steamer might possibly not be able to cross, in which case it would be necessary to proceed 40 miles through Chinese territory, round the north of the lake, by a road on which there is but one post-station, and so to re-enter Russian territory at a point on the north-west shore; for the frontier does not skirt the lake, but crosses it from Lon Mayo, at an angle of 45 degrees. My host at Nikolaefsk on one occasion was obliged to accomplish this journey on the back of a cow. This, however, I was spared, for the thunderstorms of June and July, with the south-east winds, had brought their usual supply of rain, and caused the lake to enlarge, so that it assumed the proportions of an inland sea. At ordinary times the Khanka is divided into two parts, the "great lake" and the "little lake," which latter is also called "the Dobuka." From the captain's chart I calculated it to be 20 miles long by three wide. The two lakes are separated by a sandy strand, of regular proportions, bending towards the north in such a manner as to

* It measures, according to Réclus, 62 miles long, 46 in the widest and 31 in the narrowest part; but the Russian captain gave me its measurement as 67 miles long by 21 miles at the narrowest and 26 at the widest parts.

continue with exactness the curves of the banks from the east and west. This strand, developing its arc with geometrical precision, is only like many others found on the shores of the ocean; but few similar cases occur on the banks of a lake of such comparatively small extent. Such strands, for the most part, are formed when the locality is sheltered from the winds, which do not come regularly from the same quarter.*

I suppose that the water is sometimes rough, for the good-natured captain kindly inquired whether I should be afraid if the boat rocked about. I had not at that time traversed two oceans, but was able to assure him, nevertheless, that I hoped for the best. The windows were as solemnly closed and battened as if we were about to cross the Atlantic; and towards night we steamed into the lake, to find it as calm as a mill-pond. After steering south-east for about 50 miles we arrived, at dawn, at Kamen Ruiboloff, or the Fisherman's Stone, thus finishing a voyage from Khabarofka of 466 miles,

* The Khanka is completely exposed to the winds on the south, which blow during a great part of the year, rushing in through an open gap in the Sikhota-Alin chain. Thus there is found on the surface of its water a regular swell, which is carried from the south to the north, and which delineates with nicety the circular outline of the shore. This is the theory of M. Réclus, and he usually writes very carefully and correctly; but I ought perhaps to add that in the chart given me by the captain this regularity of outline of the north shore is not so observable as in the map of M. Réclus.

For five months of the year ice covers the lake to the thickness of a yard. The north-east and north-west shores are level and wooded. The south-west shore is also wooded, but not so the shores in the south and south-east. Swampy tracts exist at the mouths of the eight rivulets which enter the lake; the Toor-balenkhe flowing in from the north-west, and the largest, the Lifu, from the south. About ten villages and post-stations are dispersed along the shores, and roads lead away to the Manchu towns Ninguta, Hun-chun, and Furden.

or 510 if we had gone to the stations on the shores of the lake.

We had made a quicker passage than was expected; perhaps partly to be accounted for by an "attraction" which no doubt influenced the captain. He spoke a little French, and communicated to me that on the day after our arrival he was to be married to the niece of the merchant Plusnin, of Khabarofka. They have certain domestic and semi-religious preliminaries to a Russian wedding, as I have stated, which I was anxious to see, for we have nothing corresponding to them in England; but unfortunately I missed the opportunity at Kamen Ruiboloff, for although I rose soon after daylight, the captain had fled, and I hastened to proceed, remembering well that the foremost traveller at the post-house gets the untired horses.

CHAPTER LI.

LAKE KHANKA TO THE COAST.

Difficulties in prospect.—Appearance of the country.—Vegetation.—Garden produce.—Medicinal plants.—Ginseng.—Country almost uninhabited.—A serious loss.—Remarkable landscape.—Distribution of animals in Siberia.—Little-Russian settlers.—Peasant affairs and taxes.—Travelling by night.—Arrival at Rasdolnoi.—Clerical functions in request.—War in the post-house.—Summary of tract distribution.—Russia as a field for Christian effort.—The Suifun.—Cheap travelling.—Baptizing children.—Arrival at Vladivostock.

FROM Kamen Ruiboloff I had before me a drive of nearly 100 miles to Rasdolnoi, on the river Suifun, and this comparatively short journey I feared might present greater difficulties than any I had encountered since leaving my interpreter. In towns, or on the steamer, some one could be found with whom to exchange ideas in one of the three principal languages of Europe; but now I was to go alone through a district where even Russians are comparatively strangers, and where, if my half-dozen words of Sclavonic failed, I expected to be quite at a loss in communicating with the Manchu. Besides this I had heard uncomfortable accounts of the Manzas, Coreans, and other congeners of the Chinese, many of whose culprits had been expatriated to these regions as to a Botany Bay, and were giving the authorities trouble, not from political causes, but by forming themselves into banditti and plundering Russians and Chinese

alike. At Khabarofka Major Evfanoff informed me that quite recently a number of these robbers had committed depredations on the Russians, and that Cossacks were gone in search of them. I also heard further on that they had entered an officer's house, murdered his wife, hung her up by the heels, and carried away her child. Again, tigers were said to infest the district.*

I was so delighted, however, with the thought of reaching the coast, and with the hope of getting from thence to Japan, that I hastened to depart notwithstanding. A letter of introduction had been given me from Nikolaefsk to Colonel Vinikoff, stationed at Kamen Ruiboloff, and the prospect held out that he would perhaps show me the wonderful manœuvres of his cavalry Cossacks; but, hearing that he was away, I contented myself with sending to him by the captain of the steamer a letter, and a box of books for his men, and by 8 o'clock I was ready to start. The weather was charming, like that of a sunny English September—a morning without clouds.

The district through which I was to travel, south of Lake Khanka, is about 100 miles from north to south, and the Chinese frontier is a few miles west of the post-road. Extensive plains constitute a prominent feature of the country, which is sufficiently hilly, however, to render the landscape pleasing. The soil, loamy and black, is covered with rich vegetation. These Manchurian plains are like enormous limitless meadows and heaths, from which the herbage has

* The merchant Plusnin had on one occasion been attacked in his sledge by one of these animals; and Mr. Emery told me that, when a tiger had been seen on the road, he had sometimes found it very difficult to make the post-boys set out on a journey.

never been cut, and where pasture is ready for cattle by thousands. The country was fairly but not thickly wooded until I crossed the hills, south of which flows the Suifun. Water in some places was scarce, and I had to wait at one station at least an hour whilst a man fetched a supply. The climate resembles that of the Ussuri. On the 5th and 6th of September, at Khabarofka, I found it decidedly hot. The mean annual temperature is 48°, which allows of the cultivation of the cereals of Northern Europe, and of some of the hardier fruit-trees. Wild grapes I saw in abundance, but none cultivated. On the coast the Governor had recently planted some fruit-trees, and Madame one day, during my visit, brought to table her fruit harvest, which consisted of less than a dozen apples. Vegetables, however, thrive well. My host told me that near Vladivostock, on his island, he had raised potatoes twice from the same ground, between the middle of April and October.* He had grown cart-loads of tomatoes, but, being unable to sell them to his satisfaction, salted them for his cows. Carrots and parsnips grow wild, and in the market at Vladivostock I observed, in addition to what have been mentioned, pumpkins, celery, turnips, beetroot, the egg plant, and Chinese onions and radishes. The

* When he left America he brought eight of a choice sort in his portmanteau, and in three years had as many as he needed, and so fine that they weighed 1 lb. each. The Chinese have since planted them, but cultivate them so badly that their size has greatly diminished. On the same land the captain sowed maize, and from one grain grew a stalk with three heads and 900 grains. This he thought exceptional, but considered 500 grains for one an average return. He sowed in drills, and cleaned the land with a cultivator drawn by an ox. This plan in the Western States of America, he said, yielded six bushels an acre more than ordinarily.

missionary Huc mentions three treasures of Manchuria. One is the sable, another a grass called *oula*, the peculiar property of which is that, when put into the boots, it communicates to the feet a soothing warmth even in the depth of winter.* The third treasure is "Ginseng." The Chinese call it *Orhota*, that is, "the first of all plants." They consider it the most costly produce of the earth, diamonds excepted, and ascribe to it the most wonderful healing properties. It is said to be a specific in all kinds of bodily ailments, to cure consumption when half the lungs are gone, and to restore to dotards the fire of youth. Huc says the Chinese physicians think it too heating for the European temperament, already in their opinion too hot.†

Other medicinal plants of the district are the yellow rhododendron and marsh wild-rosemary, of which the natives use an infusion against stomach-ache; also the root of the *tokose* herb is used for diarrhœa, produced by feeding on fish. The burnt heads of burdock are

* This reminds me of what Mr. Emery said at Nikolaefsk, that if I put hay into the soles of the Yakute boots I purchased, I should never suffer from cold feet.

† Ginseng is found chiefly in the valleys of the Upper Ussuri, where it is cultivated in beds, planted in rows. The earth must be a rich black mould, and loose; and when the plant has attained the height of 4 or 5 inches, it is supported by a stick. The beds are carefully weeded and watered, and protected from the sun by tents or sheds of wood. Wild ginseng is said to be the best. From May to September, hundreds go out to seek the plant; and when I asked for the Goldi natives at some of the stations on the Ussuri, I learnt that many of them were gone to seek for ginseng. The prices named by the French missionaries for this root were almost fabulous, a single root being valued in Manchuria at from £250 to £300. The plantations belong to Chinese merchants living at a distance, and Venukoff found the guards strictly forbidden to sell it. He was able, however, by stealth to procure 12 roots for £4, and his native interpreter subsequently procured 20 for 30*s*. I was told on the river that ginseng sells for £30 per Russian lb., but that in a bad year the

laid on ulcers as in Peking, wounds are covered with agaric, the root of "Solomon's seal" is applied for pains in the throat, and that of the hand-shaped bulb of an orchid for ulcers. The Goldi, however, as I have said, often attempt another method of cure, by making a wooden model of the part afflicted, which they carry about; but authorities do not record the comparative values of the two modes of treatment. It is said that the enlightened portion of the native community despise vegetable medicine, and more frequently resort to the services of the shaman and his brandy-drinking performances, which no doubt are popular with all parties concerned.

On leaving Kamen Ruiboloff the country was almost uninhabited. On the first stage I met one vehicle and three men, but passed not a single house. On the second stage two men only were seen.* On arriving at the fourth station—Dubininskaya—I discovered that I had lost a large pocket-book, or paper wallet, in which were my most valuable documents, including the letter from the Minister of the Interior, my podorojna, and

Chinese count it as valuable as gold, and give up to £40 per lb. If, therefore, these prices be paid to those who find it, no doubt it is very expensive when sold in China, where no chemist's shop is without it. The root is straight, spindle-shaped, knotty, and up to half an inch in diameter, and 8 inches in length. The leaves are cut off, and the root is boiled in water, apparently to remove some injurious quality; and when it has undergone fitting preparation its colour is a transparent white, with sometimes a slight red or orange tinge; its appearance then is that of a stalactite. It is carefully dried, wrapped in unsized paper, and sent to market. On the Ussuri it is used, boiled, for cold, fever, headache or stomach-ache.

* The first three stations—Mo, Vstrechni, and Utosni—were single post-houses, with no other habitation in sight. The accommodation was of the poorest; the couch at Vstrechni consisting of three boards, and the table-cloth of linen tick. I gave the children some nuts, but not one said "thank you," and none could read.

CHINESE MERCHANTS IN THE PRIMORSK IN WINTER COSTUME. *Page* 603.

other official papers. This alarmed me, for without the podorojna I could not claim post-horses to go either backwards or forwards; and the situation was the more serious because none of the post-people could speak anything but Russian. I made them understand by signs that I had lost my letter-case, and that I must go back with the yemstchik to see if I had left it at the previous station. Giving my heavy luggage in charge to the post-mistress at Dubininskaya, I mounted the returning vehicle. It was now nine o'clock, and quite dark, and I journeyed in anything but a pleasant mood. I remembered, too, with appreciation, the luxury I had had further west, in Mr. Cattley's tarantass, for here I had nothing but a wretched post-tumbril, without springs, seat, or hood. One of the horses went lame, which retarded progress, and I lay on my bear-skin, with only a shawl to cover me, for six hours of the night, gazing up into the heavens. The moon arose in her beauty, and the number of stars visible might have delighted the eye of an astronomer, but I could think of nothing but my loss. At three o'clock in the morning we reached the station, where they knew nothing of the pocket-book, and where the guest-room was occupied by a Chinese packman and his assistant, with whom I did not at first relish passing the remainder of the night. One, however, got off the bedstead and offered it me, and the other wished to give me tea, which, to say the least, was civil. So I spread my bearskin on the wooden couch, and the candle was extinguished. In less than two minutes I had kicked out the tester-board of the rickety bedstead, and it came down with a clatter, causing my room-fellows to start. "*Ladna! ladna!*" said I, thinking this was

the Russian for "all right"; and then we recomposed ourselves. On awaking, and after further search, I ascertained that my difficulties were increased, for I now discovered, to my dismay, that beside the important papers alluded to in the wallet, there were also two volumes of manuscript notes, taken in coming across Siberia. I was now in an agony; and if crying would have availed I could well have done it, so distressed was I at the thought of losing information that had cost so much. It occurred to me that I might have left the wallet at the station still further back, and, seeing a Cossack saddle in the post-house, I pointed at it, intimating that the yemstchik should mount, and ride courier to inquire for the lost treasure. But he did not welcome the task, though he intimated I might have the saddle if I chose to go myself. Thinking to quicken the post-master into further exertion I offered a reward of five roubles if the book could be found. Meanwhile the two Chinamen evinced great kindness and sympathy with me in my loss, and the more so when they discovered I was an Englishman. At breakfast they offered me rice and onions, and I returned the compliment by inviting them to partake of bread and jam. They were travelling to Kamen Ruiboloff, and offered me a place for two stages in their vehicle. I resolved at first to go back, but afterwards determined to send a note by the Chinamen to Colonel Vinikoff, asking him to make inquiries for the wallet, and then continue my way, and to look very narrowly on the road for what I had lost. The yemstchik was not a good specimen of his profession, being fonder, if I mistake not, of drink than of work, and my slender knowledge of Russian led me to suspect that he was

congratulating himself on the extra money he was exacting from me, which, in my suppliant condition, I was ready enough to pay if only the books could be found. At last we started, and I was scanning the road with the eyes of a lynx when about a mile from the station we met a post-vehicle, in which was a lady traveller whom I had seen the previous evening at Dubininskaya. We pulled up, and she placed her hands at distances apart, showing the length and breadth of something that had been found, and spoke to the yemstchik, from which I was able to make out that my troubles were over. I clapped my hands, and pushed forward with a light heart to the station, and there was my wallet, well hauled over, but with nothing missing. The yemstchik had told a peasant of my loss, and of the promised reward, and he had found the article lying in the road. I then remembered that, in the cool of the evening, I had put on my ulster, standing up in the conveyance, without stopping the horses, and so had jerked the wallet out of my pocket. Never did I pay ten shillings with greater pleasure than to the finder, after which I set forward, truly grateful, and prepared with reanimated spirits to enjoy the prospect before me.

Leaving Dubininskaya, the post-road lay over a range of low hills, the top commanding a view such as I had never before seen. The distant horizon was bounded by pointed hills, and between were enormous plains of tall, brown, luxuriant pasture, waving like fields of corn —a land of plenty, at all events, if not flowing with milk and honey. No cities were visible, nor a human being, nor a habitation. There were just one or two spots where the grass had been cut and piled in heaps.

but the abundance that remained seemed to mock such puny efforts. The hills were wooded with oak, and the plains with aspens, elms, lime trees, ashes, black and white birches, maples, and walnuts.* In young forests of this district are vines, roses, and a great many lilies. In the grass land there is much wormwood and pulse, the marsh ranunculus, and field-pink-clover. This last I saw in such abundance as to remind one of an English clover-field. There were also wild sun-flowers, and, growing at the roadside, wild millet, and what looked like bastard wheat or darnel.

Nor is this richness confined to the vegetable kingdom. To the 20,000 sable-skins sold annually at Khabarofka, Southern Manchuria contributes its quota; but I heard more of its abundance of deer, the flesh of which sells in Vladivostock in winter from 1½*d.* to 2*d.* per lb.† Wild turkeys are found in the district. Ducks and water-fowl we caused to fly up without number on the Ussuri, and pheasants, like those in England, rose before me as I drove to the south. At the station I was now approaching, woodcocks cost from 10*d.* to 1*s.* each, riabchiks or black grouse 5*d.* each, and pheasants

* Mr. Ravenstein speaks of the walnut of the Ussuri as seldom bearing fruit, and he suggests that the whole growing power may be absorbed by the trunk and leaves; but I saw walnuts on the trees at Khabarofka, and, when speaking of them to Baron Stackelberg, heard nothing of their failure in fruit.

† The Chinese employ men in the interior to slaughter these animals, simply for the sake of their antlers. These soft horns are exported yearly to China in large quantities. Captain de Vries told me that on one occasion he carried on his little schooner a load of them to the value of £2,000, one extra good pair being worth £60. Erman states that the jelly made of these horns is much esteemed by Chinese gourmands, whilst Ravenstein quotes their medicinal use by the Chinese as a remedy in female diseases. A Russian doctor, to whom I spoke upon the subject, however, knew only of their general sedative properties, the jelly being used, he thought, as a comforting medicine in weakness.

6*d.* each. So plentiful were pheasants in 1875, that they could be bought for 7½*d.* a brace, and at Paseat for 2½*d.* each.* This was in strong contrast to what the telegraph inspector told me of the prices of butchers' meat at Vladivostock. He had been asked nearly £3 for the half of a calf, and beef, he said, cost 5*d.* per lb.

I now and then saw large herds of cows grazing, and learned that in 1878 there were imported to the Ussuri districts 80 horses, 600 sheep and pigs, and 1,000 head of cattle.

On arriving at the next station, Nicolsk, there was a good-sized village, with a church, barracks of the 3rd Ussuri battalion, and, what was better to me, a telegraph station. It was now Friday afternoon, and I was anxious, if possible, to reach Vladivostock on the following day, so as to be ready for Sunday. I had heard that they had been building there a Lutheran church, and it was suggested to me at Nikolaefsk that I might open it, as there was no resident pastor. I

* How long this abundance of game will last is an interesting problem, for it is a well-known fact, says M. Réclus, that the distribution of animals over Siberia has been markedly affected by the advent of Russian hunters. The region of the reindeer, for instance, ought to impinge upon that of the camel; and the reindeer used to be found on the mountains of Southern Siberia, but it now runs wild only in the low forests and tundras of the north. The argali, or wild sheep, is no longer found in the plains and mountains of Siberia, as it was in the last century, but has fled southwards into Mongolia. The antelopes and wild horses, driven from the steppes of the Gobi by cold and lack of pasture, descend in troops in autumn towards the plains of Siberia, followed by tigers and wolves, and hunted by men; and the slaughter lasts till the spring allows their return to the solitudes of Mongolia. Neither animals nor birds need a map to show them the frontier of the two countries. It has been remarked that the same birds which permit a stranger to approach them without fear in Mongolia, flee in terror at the least noise on Siberian soil. Especially is this the case with water-fowl, for the Mongols never allow birds to be shot upon the sacred element, believing that, if the blood of a bird mixes with the water, the flocks that drink it will speedily die.

knew also that steamers served on the Suifun only for the mail service, and that when travellers required a passage, a telegram had to be sent to the Governor. I had heard that he was absent; but as his wife spoke English I telegraphed from Nicolsk, and said that if I could reach Vladivostock in time I should be happy to conduct a Sunday service. In the telegraph office I met Captain Alexander Jdanoff, to whom I gave some reading material for his soldiers, and then went to the post-house.

I noticed in several of the houses at Nicolsk that the chimneys were built of lattice work like English hurdles, plastered with mud. These erections told a tale to those who could read it, the builders being emigrants from Little Russia. So long as serfdom continued, the Russian peasantry were rooted to the soil, and often in great poverty;* but when the serfs were liberated they came in some cases to the Government in numbers, and said, "We are poor; please send us to colonize in Siberia, or make us Cossacks." And the Government, desiring to populate the Ussuri, had sent them hither, freed from taxes, and with the usual privileges granted to colonists.†

* A lady in Petersburg told me that the peasantry near her country house live for a large part of the year almost without bread, weave in winter by the dim flame of a piece of lighted wood, and often go to bed supperless. With a sufficiency of rye bread all the year round they think themselves rich.

† I heard on the Kama in European Russia, from a Belgian, that whereas he, as a foreigner, was free from taxation, having to pay only 1*s.* 3*d.* a year for his passport, some of the peasants have to pay as much as 28*s.* Servants of the Crown, including priests, pay no taxes, though their children begin to do so at the age of 21. In Western Siberia no man (except convicts deprived of all their rights) is free from direct taxation, the manner of collecting the tax being similar to that followed in Russia. A census is taken every 20 years or oftener, and a number of

The telegraphist at Nicolsk strongly advised me to push on to the Suifun without delay, so as that night to reach the steamer, which was to leave Rasdolnoi early on the morrow. I therefore started after tea for a drive of 14 miles, the first stage being to Baranofskaya, or the "sheep" station. On arriving I thought more of wolves than of sheep, and of tigers than either. The post-house was in the middle of a wood, and near it were burning large fires to keep away the mosquitoes and, as I supposed, beasts of prey. It was now night, and I certainly should have preferred proceeding by day; but I remembered the advice just received, and told the men to put to the horses. A sailor youth, travelling to Vladivostock, apparently on foot, and

villages are classed together into a *mir* (a world), from which a certain tax has to be raised. The *mir* settle among themselves in a kind of local parliament the proportion each family shall pay, and then, whether the members of a family increase or diminish, this fixed proportion goes on till the next census is taken. This causes great inequalities. Thus a father with a large family will be made liable for a large sum, which, so long as he has children at home to work, he can pay; but should his sons be drawn for soldiers, or be cut off by death, he is in a different position; though, on the other hand, a man with a family of small children at the time of taking the census is lightly taxed, whereas, when his children grow up and work, he could well afford to pay more. In European Russia the census is taken every seven or nine years, and the tax to be paid by each family is revised oftener.

Each village receives land according to the number of its inhabitants, but so that each "soul," or able-bodied male or head of a family, gets about 15 acres, a space which, properly cultivated, should suffice for his support; but if not, land in the Primorsk government costs only 2*s.* an acre; in fact, at Nikolaefsk, the government *gave* land under certain restrictions for building, and up to 1875 charged no property-tax, nor even for licences during the first ten years of Russian occupation. When this land has been allotted to a man in Russia with its accompanying tax, he cannot get quit of the bargain so far as the tax is concerned. Should he find the land unprofitable he may give up its cultivation, but he must continue to pay the tax, and hence it often happens that a man leaves his commune and goes to a neighbouring town for employment, but still pays taxes for the land in some remote village he has left.

speaking a few words of English, made himself officious on my behalf, and then wanted to be allowed to mount my vehicle. It was too dark for me to see what he was like, but I consented, thinking that if we did have any encounter with wild animals or robbers, it might be an assistance to have some one who understood if only a word or two of my mother tongue. I sincerely hoped that we should not meet a supperless tiger, though I think I should have been really uneasy had I known what I learned on the morrow—that several of these animals had been killed during the summer at the very village to which I was going.*

It was nearly midnight when we reached Rasdolnoi. On the way my fellow-traveller showed that he had been drinking, and his stock of English words proved to be very small and by no means choice. I went to the telegraph office and ascertained that the steamer, lying a few miles off in the river, would leave at seven next morning; accordingly, I took up

* In the early days of the Russian occupation tigers used to come into the town of Vladivostock, and my host had a horse eaten by them. His young boy once came home saying that he had seen "such a pretty calf, but that he could not hold in his pony, such haste did it make to get away. Sixty-five tigers were said to have been killed in the district the year before my arrival, and Captain de Vries told me that on the road by which I travelled he was proceeding, early one morning, with a farmer and his dog, when the royal beast appeared on the road a few yards before them, at which they shouted, and the animal retired into the forest. They went forward, the dog preceding them, whereupon the tiger sprang out and seized the dog and bore it away. The farmer began to mourn his loss, but the captain said, "Why, you donkey! if the tiger had not taken the dog for his breakfast he might have taken *you!*" I heard these things, however, *after* my journey; and the only tangible reminders of tigers I saw were some of their skins, offered at Khabarofka and Vladivostock from £2, for that of a cub, to £5 for those of full size. Prejevalsky speaks of the tiger of the district as being equal to the royal tiger of Bengal, but, judging from the skins I saw, it is not so handsomely marked.

my quarters at the post-house, and at midnight was writing up my diary when, the news having spread that a clergyman had come, a Finnish shopkeeper, named Rosenstrom, presented himself and asked if I would baptize his little girl. The request came at an awkward moment, for I had ordered the horses for five. At half-past three, however, I sallied forth, arrayed in my cassock, with the Finn to conduct me, lantern in hand. His house was not far, though approached by a rough road; and, passing through the shop, I found a room nicely arranged and brilliantly lighted, with some half-dozen persons present—the telegraph officer and his wife or sister (who had communicated my arrival), and a Finnish friend, besides the father and mother of the child. After the service and breakfast, dawn appeared, and by five I was ready to depart. Much to my chagrin, however, the smoke from the funnel, among the distant trees, showed the vessel to be moving, and I was left behind. I telegraphed to Vladivostock to this effect, and received a reply that the steamer would return and bring me on Monday morning.

I had abundance of time, therefore, to inspect the little station of Rasdolnoi.* Had I not felt impatient at losing the boat, I might have enjoyed the view from the post-house, for it was exceedingly pleasing.

* It being the furthest navigable point on the Suifun from Vladivostock, the Russians in the early days of their occupation had posted soldiers here and built barracks. They subsequently removed the military to Nicolsk, and with them had migrated all the inhabitants except Mr. Rosenstrom and the people at the telegraph-office and post-house. There were plenty of log-houses still standing, to one of which my attention was directed, and I was told that my informant had purchased it for 10*s*.—the cheapest house I had ever seen. Mr. Rosenstrom and his friend, I discovered, were of the party of Finns who had come

The country was well wooded, and the curves of the Suifun added much to the beauty of the picture. It was in this post-house, and only here, that I had a desperate battle with thousands of cockroaches or *tarakans*. By day they hid themselves, but at night they came out on to the table, the couch, and everywhere, great grandfathers and grandmothers with their offspring to the third and fourth generation. To wage general warfare against them was hopeless; therefore I set my wits to work to keep the table free. I recalled a visit paid to Messrs. Huntley and Palmer's Biscuit Manufactory at Reading, where, on the floor, were thousands of little insects running about. Let no lover of Huntley and Palmer's biscuits, however, be dismayed, for none of these creepers are allowed to mount the tables, the legs being made to stand each in a little pan of water; and as the emmets will not take to swimming, they have to be content with the crumbs on the floor. This plan I adopted with modifications. My friends had strongly urged me to take from Petersburg a box of Persian powder, supposed to be an abomination to B flats and F sharps. I had not used it once, but now I surrounded each leg of the table with an embankment of the said powder, and great was my delight to see the enemy advance, evidently thinking to scale the ramparts and mount as usual, but, instead, suddenly stop, hold a council of war, wave feelers, and then beat a retreat!

to these parts to catch whales, so that he knew Captain Stjerncreutz with whom I had travelled. I was puzzled to know how a living could be made from a tiny shop near which there were but two inhabited houses visible, but I found that a small trade was done with travellers passing to and from Vladivostock, by hawking, and with workmen building a shed at the river side.

I was enjoying my tea on Saturday afternoon from a clean table when two officers, a wife, and child arrived from Vladivostock. Then was cleared up the mystery of the boat having left so early; a telegram had been sent that it should depart at five to meet these travellers, one of whom was merely accompanying his friends for a few miles in Russian fashion, and was to return next day. They spoke French and a little English, and, having started in a hurry, they asked if I could sell them some quinine, which I thought I might venture to do, seeing that I had not once opened my store. Arnica had been needed for the sprain of the interpreter's foot, but as for myself I am not sure that I had taken so much as a pill since leaving London, so that the counsel of my medical adviser had proved to be sound; for when I proposed to take a lot of medicines, he strongly urged me not to carry too much, "lest," he said, "you should be tempted to excess."

Though Rasdolnoi was so small a place, yet, when it became known that I had good books in possession, several came from I know not where to buy them. I now had time to reckon up my "takings," and found that sales amounted in all to about £18—not a large sum truly, but a good deal to make up in kopecks, of which 100 equal only 2*s*. My receipts covered, I suppose, about a fourth of the cost of the transport of books and tracts, and as these had been given me, with grants toward their carriage, by the Bible and Tract Societies of London and Petersburg, I subsequently divided among them the proceeds. From Nikolaefsk I sent to the Governor of the Primorsk 1,000 New Testaments, 10,000 tracts, and 200 copies of the "Life of Christ," requesting that they might be distributed from

Vladivostock to Kamchatka, to the prisons, hospitals, soldiers, Cossacks, schools, and the seamen of the Siberian fleet; and it has gratified me to hear, during the present year, that this was thoroughly and carefully done. Thus I distributed in all by proxy—that is through the authorities—about 44,000 publications, and personally about 12,000, the exact total being 55,812 of all kinds.*

On my return to England I wrote to the Director of the Central Administration of Prisons, saying what I had done, and enclosing a list of the persons to whom and for whom the books had been given. I also stated my "strong conviction that a wider and better knowledge of the Holy Scriptures would do much both to lessen crime and also to reform the criminal. Hence I wished that a copy of the New Testament might always remain within reach of every prisoner and hospital patient in Siberia, and I cherished the hope that some who might perhaps take up the book to while away time might read to profit and subsequent reformation." To this end I asked the administration to do anything they could to forward the successful completion of my work; and this letter I enclosed to the Minister of the Interior, when writing to thank his Excellency for the great kindness and attention his letter had secured for me.†

* The governors of Tobolsk, Tomsk, Akmolinsk, and Semipolatinsk, of Yeneseisk, Irkutsk, and Yakutsk, were requested to apportion the Scriptures to prisons, hospitals, poor-houses, and similar institutions, and to disperse the tracts in schools, as widely as possible. The governors of the Za-Baikal, Amur, and Sea-coast provinces, in addition to this, were asked also to distribute extra supplies to the army, navy, and Cossacks.

† I would take this opportunity of expressing my thanks to the Religious Tract Society of London and its colleagues in Russia for the gracious way in which the Committee has always accepted my offers of service,

My "work" was now almost done, and I looked forward with hope, for I regard the Russian people as presenting a promising field for the diffusion of a more spiritual religion than they now possess. Many, it is true, do not cease to speak of Russian bribery and untruthfulness, gambling and dishonesty. But, however that may be, there seemed to me to be a general willingness in Russia to learn better things. The sceptics we met were few and far between. In Western Siberia a Polish veterinary surgeon—a Romanist—argued as if he would like to upset Christianity, but he ended by giving money for a New Testament, and acknowledged that he envied the experience of his antagonist. In Eastern Siberia I met a Protestant gentleman who said that most educated people in Siberia were materialists; but I had afterwards reason to suspect he was measuring by his own bushel, for so material was his creed that, though holding a high position in the Government, with a large salary, he

and for the kind manner in which I have been trusted to act in concert with their local agents as seemed best on the occasion. Not a little of my success (if it may be so called), especially in Russia, has been traceable to this; and my holiday distribution of more than 100,000 of their publications, I hope, I shall always remember with gratitude and pleasure. An extensive work is done in Russia by the Religious Tract Society. About 1,000,000 tracts were sold from 1875 to 1878, which is an indirect testimony that we hold more truth in common with the Russian Church than many are aware of. In Russia, as is well known, every book, every pamphlet, every leaflet, before it can be published and circulated, must receive the approval of the censor; and if the doctrine of what is printed, whether political or religious, be objectionable, its publication is forbidden. Further, it is pretty well known what kind of doctrine, and what kind only, the Committee of the Religious Tract Society approves. Hence, if these two things be put together, and it be remembered that tens of thousands of tracts are circulated in the empire which the Committee approves, and to which the Synod does not object, then surely it is pretty clear that the Russians and ourselves have in religious matters a great deal of common ground.

was not above suspicion of asking a bribe. I ought, however, to add that a Russian critic, by no means unfriendly, lamented to me that, owing to the want of teaching power in the priests, men of the educated classes in Russia are, as a rule, perfectly *indifferent* to religion, and therefore tolerant to all and every creed, though jealous of the orthodox Church as a national institution.

A good type of a religious gentleman—a devotee perhaps some would say—was an officer I met, who goes to mass every morning at five; or, again, a lady of high rank, who, whilst continuing strictly "orthodox," learns to look at the errors of her Church in their least objectionable form, and to separate the good from the bad. Another educated man, an advocate, was typical, I should judge, of many in his rank of life. All are required to attend church on certain occasions, and beyond this he acknowleged that he did so very little; but it was because he got no teaching there. He went, he said, on the festivals, from six to twelve times a year, and oftener whilst his children were young; but he was ready to go every Sunday if something could be learned thereby. As for the uneducated Russians, the distances they will go, amounting to literally thousands of miles, for religious purposes, manifests at least something intensely earnest about religious affairs. Never—certainly, in any other country—have I met with such eagerness to get Scriptures and good books. This extends to both clergy and laity. When, on one occasion, my friend who edited the *Russian Workman* thought of giving it up, some of the priests sent their subscriptions again, and implored that it might be continued; and some of those interested in the

religious societies at work in the empire have told me that, in spite of the obstacles put in their way, they have far more opportunities of usefulness than they can use. I agree, therefore, with those who look upon Russia as a promising field for Christian effort.

On Sunday afternoon the officer returned to Rasdolnoi, and I began immediately to question him. There was no ship sailing to Japan, he said, for a fortnight; and then, by way of preface to information respecting Vladivostock, he asked my standing, and whether I was rich or poor. Having classed myself with those who have neither poverty nor riches, he said that, as for himself, he was a man of means, and that he took the journeys to the Caucasus and Egypt (of which he had told me) because he had money in pocket, and so on—tall talk which sank down wonderfully when I searched him out at Vladivostock.* He appeared well posted, however, in his professional studies, and willing to give me information; so, as we were to start very early in the morning, we boarded

* My travels in Russia have led me to the conclusion that in the interior of that country it is not always wise to be too modest about divulging one's income. An English officer in plain clothes, passing lonely through Kiakhta, was asked by a merchant, who had shown him some attention, what was his income; whereupon the officer told him that of a captain of Royal Engineers in full pay on foreign service, which greatly astonished the Siberiak. He said he would mention it to the chief man of the town, who, he felt sure, would call upon him. And so he did, and the captain received a marked increase of attention. Again, before starting last year for the Caucasus, I was told of the potency there of wearing arms and insignia of office, and of the difference it makes at the post-stations in getting horses, whether the traveller wears a plain hat, or one adorned with gold, or bearing the tchinovnik cockade. Accordingly, I so far profited by this information as to put on certain splendid array which I possess as I approached the stations, and (I will not say *therefore*) I obtained my horses.

This is further illustrated by the treatment received by an able correspondent of the *Times*, who has recently been in the Caucasus. On

the steamer towards sunset. The Suifun is 120 yards wide. It varies in summer from 30 inches to 7 feet in depth, and in winter rises 20 feet. Our vessel was named *Suifun*, after the stream, and drew 2 feet of water, and could steam 8 or 10 miles an hour. Vladivostock was only 50 miles distant, but the boat was not suited for the sea, and therefore, on reaching the mouth of the river at Richnoi, 30 miles distant, we were to be transhipped to a sea-going steamer, the *Amur*, and so landed at Vladivostock. The *Suifun* was not a passenger vessel in the ordinary sense of the word, but belonged to the Government. It was used for bringing the mails from Khabarofka, and if there happened to be passengers accompanying them, they travelled the 50 miles free. They were, moreover, so obliging, that, if travellers arrived and telegraphed to the post as I had done, the two ships were put in motion; and as if that were not enough, an allowance was made to the officers to feed hungry passengers free of expense, so that, on the whole, this was the cheapest 50 miles I travelled.

I did not know of these arrangements at first, and heard that there were no provisions to be had on board, and no sleeping accommodation. My fellow-

arriving at a station, he was informed that he could not have horses because they were detained for an English general, whose arrival was expected every minute. Somewhat chafed, the correspondent took to his legs, being anxious to secure a certain view before nightfall; and it was not till he reached the next station, tired and enraged, that his vexation was turned into mirth by discovering that the horses had all the while been intended for himself. The préfet had politely telegraphed to the post-masters to have horses ready for "a distinguished" Englishman; and as the one idea of distinction in the mind of a Russian peasant is the rank of a general, the post-master was expecting an officer in uniform, and the correspondent in plain clothes not coming up to this, he refused him the horses.

passenger slept in the open air, on deck, and I thought I should be compelled to do the same; but the captain gave me an excellent cabin, with plenty of room, which the officer, however, would not share. I had not been long on board when my clerical services were asked for a second time. We were to pass a saw-mill where lived a Protestant family, and the captain, knowing that the children were unbaptized, thought my coming very opportune, and asked whether, if he stopped the steamer, I would go ashore and officiate. As we approached Richnoi we came in sight of the mill, built, as I afterwards ascertained, by Captain de Vries, and subsequently sold to the Government. There are three such mills near Vladivostock, employing 39 workmen, chiefly Chinese, who earn £4,500 a year. The manager was a Swede, named Lovelius, his wife, if I mistake not, being one of the whaling community who had come from Finland. The father spoke a little English, calling me "parson"; and after I had christened his three children he placed a fee in my hand. When I demurred to take it, he said he wished to stand indebted to no man, and added that I had saved him a "lot of trouble," for otherwise he must have brought all the children into Vladivostock, when there chanced to arrive a minister or chaplain.*

* I did not grasp the full meaning of this till some days after, and then I learned that every child in Russia must have a certificate of baptism, wanting which sundry civil difficulties may arise. It was well, therefore, that I chanced to give certificates on these two occasions, of which I sent notice, 6,000 miles off, to Moscow, to be copied into the register of "the nearest parish church." The Russian certificate of baptism gives the sponsors' names, and is signed over a 15*d.* stamp by the officiating priest and deacon. The certificate is then sent to the bishop's registry for another stamp of like value, in addition to which, to expedite the matter it is customary to add a rouble or two for the bishop's clerk.

The saw-mill was prettily situated, and the manager received good remuneration, but he was not much in love with his position; for one thing, the mosquitoes troubled him, as on the previous evening they did me.* Fear of the Manza robbers, however, troubled the manager more, and he pointed to a house across the river where they had lately murdered an old man of seventy.

On reaching the mouth of the Suifun we met the *Amur*, and the two vessels exchanged passengers, whereupon I discovered, to my surprise, that some of our new officers were those I had travelled with on the Shilka. I had breakfasted that morning, not very comfortably, in the open air, and was, therefore, ready for dinner in the officers' cabin, after which it was I learned that I had eaten at the expense of the Emperor; and then, steaming down the Amur Gulf, and rounding the promontory into the Golden Horn, we dropped anchor before Vladivostock.

* I had been recommended sundry remedies against these insects, and small vermin generally,—such as the burning of incense, a mosquito mixture of *pyretum roseum*, and another, the essential oil of cloves. I was prevailed upon to take some of the last-named, and offered the bottle to the officer travelling with me to try the first experiment. It made his hands and face tingle, but not in vain; and I followed suit, to find that the little nuisances approached one's skin, evidently with malicious intent, and then changed their minds and sailed away.

CHAPTER LII.

VLADIVOSTOCK.

Situation of town.—Lodged with Captain de Vries.—Chinese labourers.—Chinese convicts.—Coreans.—Inhabitants of Vladivostock.—Presented at the Governor's house.—Admiral Erdmann's improvements.—Visit to barracks.—Boys' high school.—Education in Russia, its cost and method.—Vladivostock Girls' Institute; and Free School.—Statistics of crime.—Telegraph companies.—Sunday services.—Protestantism in Siberia.—Village of exiles.—General remarks on exiles.—Preparations for departure.

VLADIVOSTOCK derives its lordly name from its supposed "command of the east." The town overlooks an inlet, sheltered by islands, at the end of a promontory jutting out from the middle of the bay of Peter the Great. Behind the harbour rises a lofty hill, crowned by a watch-tower, to which I climbed during my stay, and was rewarded by a remarkably fine view. Northwards stretched the well-wooded Muravieff promontory. East and west lay the gulfs of the Amur and the Ussuri, down the former of which I had steamed from the Suifun; whilst to the south were mountainous islands with rocky headlands, separated from the mainland by the eastern "Bosphorus." Descending from this elevated spot, and looking from the verandah of the Governor's house, a less extensive view is obtained, but a very pretty one, comprising the entrance to the harbour called the "Bay of the Golden Horn," with its two headlands forming the west and southern shores.

The depth of water within the harbour is from 30 to 60 feet, and, at the entrance, about double these soundings. The "Bosphorus" is from 60 to 120 feet in depth, and after passing Kazakevich Island, this increases to 200 feet and upwards.

As I steamed into the harbour on Monday afternoon, the 15th September, it was well filled with the ships of many nations, including Chinese junks with their clumsy sails. A German gunboat had just replaced an English line-of-battle ship, and an Italian man-of-war arrived during my stay. There were Russian ships from the Siberian and Pacific fleets, merchant vessels (of which 50 a year visit the port), and a number of boats, many of which ply between Vladivostock, Olga, and Paseat bays. I found, however, no regular service to Japan, but was told that I could probably leave in a Russian man-of-war within a fortnight.

I sought a lodging with Captain de Vries, a Heligolander by birth, who, when in command of a passenger ship plying between England and New York, had become an American subject, and had again changed his nationality to Russian on settling in Siberia at the time of the annexation of the Amur. He had travelled over Siberia, and had a minute knowledge of the Amur and Russian Manchuria; so that from him I acquired a great deal of information, whilst his kind-hearted English wife spared no pains to make me comfortable. In fact, I found the 15 days of my stay at Vladivostock the pleasantest of my tour; for not only had I time to rest and write and acquire information, but I was almost daily received as a guest at the houses of the Governor, or of some of the many inhabitants who spoke English.

The population of Vladivostock in the Almanack is

stated to be 8,431, but was estimated to me on the spot at 5,000. The births for 1878 were given by the priest as 184, marriages 13, and deaths 102, of which last 66 were males. The population, however, must fluctuate greatly, for during the previous year 8,000 troops had been quartered in and about the town; and I saw the earth batteries they had thrown up to receive the English, in case the treaty of Berlin had been settled the wrong way. Happily it went the right way; and when H.M.S. *Iron Duke*, on a northern cruise, steamed into Vladivostock, instead of being injured by torpedoes or fired upon, the officers were invited to dine at the admiral's house. I judged the party must have been a pleasant one, for the commander of the Siberian fleet told me he had been immensely pleased with the English admiral, and the Governor's wife and family had nothing to say of the officers but what was gracious and kind.

A large number of the inhabitants of Vladivostock are Manzas, Coreans, and Chinese, whose presence is looked upon in different lights. My host, for instance, thought their numbers a hindrance to Russian progress, because they outbid the Russians, work cheaper, and undersell them. In fact, this was one of the subjects upon which the captain used to wax warm. Accustomed to the high prices of American markets, he was sorely offended at the insignificant profits proposed to him by the Chinese, and, after speaking of their miserable offers for his goods or services, he used to wind up his orations by telling me, in not quite classical English, "There ain't no footur for this country." The Governor's wife and other Russians thought differently, for, apart from the larger

exports and imports,* they had the Chinese to thank for the vegetable market and the performance of a great deal of local work at a cheap rate, which otherwise would possibly not have been done at all.†

Emigrants from the Corea take refuge on Russian soil, in spite of the Corean death penalty attached. In 1868 there were 1,400 of these fugitives; but in the following year, when floods in the Corea drove additional multitudes to seek refuge on neighbouring soil, their further immigration was forbidden by the Russians, and some of the fugitives were sent back, and, on their return, decapitated. ‡

Sad accounts of the Manzas were heard at Vladivostock. My host employed, he said, an old man whom he one day missed, and found that he had been murdered, to be robbed of £10. The Manzas are

* Réclus gives these statistics concerning Russian trade with China :—

Average of 1827—31, £120,000 exports, £20,000 imports, £140,000 total; *i.e.*, 1 per cent. of total Russian trade.

,, 1842—46, £650,000 exports, £650,000 imports, £1,300,000 total; *i.e.*, 8 per cent. of total Russian trade.

,, 1864—68, £580,000 exports, £450,000 imports, £1,030,000 total; *i.e.*, 2·5 per cent. of total Russian trade.

The year 1876, £250,000 exports, £1,410,000 imports, £1,660,000 total; *i.e.*, 2 per cent. of total Russian trade.

† The number of Chinese and their congeners in the Russian littoral was estimated, in 1873, at from 3,000 to 7,000; and this would be multiplied a hundredfold if free emigration were permitted. In 1861, after the cession of the Sea Coast to the Russians, the Chinese Government forbade its subjects any longer to colonize in the country with their wives. The rich, therefore, returned home, leaving the poor; and these were joined by Manchu brigands and vagabonds, generically called Manzas, or Freemen—so named in reproach by the Chinese as outlaws, though the Manzas call themselves *Pao-toui-tzi*, that is, "walkers" or "couriers."

‡ In 1873 there were about 3,500 Coreans in the Primorsk, of whom, says Réclus, more than half permitted themselves to be baptized—the correctness of which latter statement I am disposed to doubt. I heard nothing of any such number of Corean Christians, and the priest at Vladivostock told me that in ten years he had baptized only about 10 pagans. He was not a missionary, it is true, nor did I hear of one so far south.

pirates also. In their transactions with the Russians the Chinese demand to be paid in silver money, and this they take home by sea. Hence I saw more silver roubles in the Sea-coast province than I had observed in any other part of the empire. I saw too, at Khabarofka, a considerable sum of silver money in Mexican dollars. The Manza robbers, accordingly, watch for the boats, murder the crews, and secure the booty.

The Coreans were described as very industrious. They dress in white, and tie up their hair in the shape of a horn. Their summer hats resemble those of the Gilyaks, except that they are hexagonal instead of circular. I went into some of their houses, the walls of which were of mud, plastered on a framework of straw. The floor was of beaten earth, with a mud fireplace in the centre, and a divan round the walls. In the best houses, the wife had a separate apartment. Fire burns in the centre by day, and the flues, under the divan, are heated morning and evening. The people live on millet and rice, and use a spoon of bronze, with a nearly circular flat bowl. Taking one from a man who was eating, I presented the spoon in one hand and a silver coin in the other, intimating that I wished to buy; and when he had taken the coin the master of the house came up, and, receiving from me the spoon and from the man the coin, he graciously returned them both, implying that he *gave* me what I desired.

The Russian inhabitants of Vladivostock consist almost entirely of officers and persons connected with the army and navy, and there are several foreign inhabitants besides,—some of them Germans, Finns, and Americans. England was represented by an

engineer, who went there, I believe, as a mechanic, and whose son-in-law, at the time of my visit, was mayor of the town.*

In 1878 there were in Vladivostock 80 merchants of the first guild, who pay in Russia a tax of £50 per annum; 185 of the second guild, who pay £6 per annum; 228 temporary merchants, and 99 street-hawkers; also 215 first-class and 209 second-class clerks. †

The junks of the Chinese, their little houses of wood, their sheds and implements, give to Vladivostock a different aspect from that of ordinary Siberian towns. The Russian houses are chiefly of wood, and among the public buildings are both barracks and winter quarters for the seamen of the fleet. To these must be added the Admiralty, an officers' club, two high-class schools for boys and girls, a library, two free schools, a Russian and a Lutheran church, two telegraph stations, a dockyard, and the Governor's house.

At this last I was presented, on the day after my

* In Russian towns having not less than 5,000 inhabitants there are 30 supervisors, three more being added for each 1,500 of the population; and it is over these the mayor presides. Other civic arrangements, applying to towns, are an *uchastok*, consisting of from 10 to 20 houses; a *quartal*, or square, or block; a *chast*, consisting of from five to ten quartals; and a *government* town of three chasts and upwards. The police-master is at the head of affairs; under him is a *chastny pristaf* for each chast, under whom are chiefs of quartals, with uchastok officers under them.

† Manufactured goods were brought to the town to the value of £100,000, of which £40,000 worth were transported into the interior, and the increase of trade was reported to be 20 per cent. on that of the previous year; but I am not aware to what departments of trade this increase is to be apportioned, or whether it was due to the abnormally large garrison. Réclus gives the commerce of Vladivostock in 1879:—Imports, £218,495; and exports, £10,452.

arrival, by Captain Naumoff, the captain of the port. The Governor was away on a tour of inspection, but I was introduced to Madame Erdmann, who spoke excellent English, and had all the manners and charm of an English lady. She was a German-Russian from the Baltic provinces, and both she and her husband were Protestants—and zealous ones, too, for they had come out to Vladivostock with the intention of effecting some good in the place, and were evidently doing it. My host, Captain de Vries, bore testimony to the material improvements which had been made by the Governor; for, said he, until the admiral came, "we had no road for the buggy." His Excellency made also a pretty pleasure-garden at his own cost, for which, now that it is finished, the Government allows a grant for maintenance. Admiral Erdmann, who combined the three offices of Admiral of the Fleet, Chief of the Military, and Civil Governor of the province, drew a stipend of about £2,000 a year, kept an establishment of 15 servants, and seemed to take pleasure in entertaining in vice-regal style the officers of men-of-war of all nations visiting the port.

But Admiral and Madame Erdmann have left other monuments than these to testify to their endeavours to promote the welfare of the town. When they arrived there was no system of poor relief, whereupon her Excellency called together the ladies of the place, and organized a society which has been an immense benefit. She proposed, in the first place, to build a free school, which was done. The institute or boarding-school for girls also was enlarged, and Madame had been the prime mover in another effort to build a Lutheran church and manse. The means by which

funds were raised for these charitable objects were, in part, concerts and fancy fairs. One that took place during the first week I was there was described to me as resembling those in England, and I heard that by two such fêtes within a fortnight they cleared the sum of £500.

I was invited to dine at the admiral's house soon after my arrival, and met there the officers of the Russian clipper *Djiguitt*, in which I afterwards left Siberia. A band performed during the evening, and fairly surprised me by its excellence; for I had met with nothing to equal it in Russia, and had heard little music of any kind in crossing Siberia. This dinner-party brought me into contact with several naval people, and I subsequently met a Commander Terentieff, who was exceedingly kind in translating for me. He accompanied me one morning to the temporary barracks of the first battalion, whose chief is the Grand Duke Alexei. Its standard was presented by Peter the Great, and the Commandant informed me with pride that it was this battalion that escorted the Russian Ambassador across the Mongolian desert to Peking in the seventeenth century. The barracks were shown me as something noteworthy, in that they were built of mud-bricks not burnt, after the fashion of the new ones at Tashkend. All inside was orderly, but the bedsteads were somewhat close together. Some of the extras in furniture, such as here and there a bright counterpane or quilt, had been purchased by the economies of the regiment. I tasted their soup, and found it excellent. The men varied in age from 22 to 26. Barracks of ordinary bricks for 200 men were in course of construction. Usually the Russian soldiers

are their own builders, but in this instance accommodation, including a room for gymnastics convertible into a chapel, was being erected by Chinese labourers at a cost of £6,000.

From the barracks we went to the lock-up, where were 20 military and 21 civil prisoners, the latter being for the most part Manza brigands. At our entrance they went down on all-fours, and continued in that posture whilst one was deputed to ask how their trial was going on; and another, thinking, I suppose, to expedite matters, said that he wished to be baptized. They were a sorry-looking lot; but I must give them credit for keeping their chamber cleaner than the Russian prisoners did. The hide upon which each of them slept was neatly rolled up, and all was arranged in order.

The commander took me to visit the boys' progymnasium or high-class school for 45 scholars, established four years previously. It was modelled on precisely the same plan as all the schools of its class throughout Russia. Hence two boys in the same grade of school, though one may be at Moscow and the other at Vladivostock, go through the same studies, and keep the same hours to each subject. The scholars dress in a blue and white uniform, and a boy, after passing through the preparatory class, goes on through the various grades up to the sixth, or, for a higher education, to the seventh and eighth classes. He may then go to the university, or to the Lyceum, to study philology and jurisprudence; or, again, to one of the academies, with a view to special studies, such as medicine, mineralogy, divinity, etc.

The cost of education in Russia, as compared with

England, is low.* The Russian curriculum looks very formidable on paper, and I have heard from an English tutor in Russia that the boys are obliged to work exceedingly hard to pass their examinations. He thought they were worked harder than English boys, and acquired more theoretical knowledge, though the education is of a less practical character than in England.† Corporal punishment is forbidden, and is replaced by impositions; and when these are inflicted the scholar receives a note stating his fault, which he must take home and bring back signed by his parents. Should a boy fail to pass his examination in each of his classes, he is usually turned out of the gymnasium, which is a serious loss to him, because a boy gains military exemptions according to the class he is in on leaving school.‡

Besides the boys' school at Vladivostock I visited

* For instruction and books the first three classes pay 18*s.* a year, the three higher classes £3 2*s.* a year. In certain places only they can board and lodge, in which case they pay £24, or, with clothing, £32 per annum. The average total cost of a boy's education, exclusive of food and clothing, up to the age of 21, in high-class schools in Russia, is £240, and for special schools for army, navy, etc., £300.

† The subjects of Russian study are as follows: Prayers learnt *memoriter;* explanation of most important chapters in Old and New Testaments; Old and New Testament history; principles and doctrines of the Orthodox Church; catechism; Divine revelation, sacred legends, and holy writings; ancient and modern books; faith, hope, charity: Greek and Russian Church histories; Sclavonic and Russian language and literature: Latin, Greek; arithmetic, algebra, geometry, plane trigonometry, and physical geography: natural sciences, electricity, galvanism, light, heat, motion, meteorology, chemistry: natural history, geology, botany, zoology: history, ancient, modern, Oriental, Greek, and Roman: geography: German, and one other modern language at choice, except that in certain seaport towns (as at Vladivostock) it *must* be English. This course applies to boys' gymnasia throughout Russia, and all the principal subjects are compulsory. Others may be studied out of the gymnasium, such as music, languages, technology, practical chemistry, etc.

‡ Thus, whilst 7 years' service is exacted from a recruit who is unedu-

the girls' institute for the daughters of naval officers, and witnessed the opening religious ceremony of blessing the house after the long vacation. Each child as she came up to kiss the Gospels was sprinkled with holy water, as were also the visitors; after which the priest and his assistant went over the building, sprinkling in all directions. The inspector subsequently declared what children were to be advanced to higher classes. The subjects taught were in keeping with those of the boys' gymnasium, from which the institute differed in that the children were lodged, clothed, and boarded; 12 free, the rest on payment of £20 per annum. The Government gives a grant of £1,000 per annum towards this school, and the remainder is made up by the children's fees and voluntary contributions. The cleanliness and good arrangement of this building were striking, not to say luxurious. A great deal, no doubt, was due to the fact that the Governor's wife visited one of the schools every day. The senior class had two girls of 15 and 16 years of age. To my questions in geography they gave good answers, and in the Gospels fair. They had not read the Epistles, but were expecting so to do that year. One girl was from a peasant home, the other the daughter of a foreign merchant, but they appeared throughout to stand on a level with the officers' daughters. They had a custom of posting up on a red

cated, and 3 years from one who has passed through an elementary school, a boy who goes from the 5th class of a gymnasium serves as a soldier only 2 years; from the 6th class only 1 year; and from the 7th class, or the university, only 6 months, after which he can be examined for an officer's commission, or may retire into the first reserve during 10 years, and then into the second reserve up to 40 years of age, after which he is altogether free from military service.

board for a year the name of the best girl in the school. At the time of my visit the same maiden had held this "blue ribbon" for five years consecutively. Whether it was for excellence of intellect or conduct I know not, but I amused them by offering a prize, such as I had seen given in the schools of the Irish Church Missions, called the "best beloved" prize. The girls were ranged in a line, and each came and whispered in the ear of the teacher the name of the schoolfellow she loved best, and the girl who gained the highest number of votes received the prize. The idea was new to them, and they said the whispering was like going to confession.

There was yet another school the Governor's wife took me to see—the little free school—built by the society she had founded, and of which it is not too much to say that it was the neatest and best-built house in the town. It was furnished in a manner that would be thought too good for a ragged school in England, and it struck me, as did the institute, that it was somewhat over-provided with teachers.*

There were 30 children on the books, of whom

* I learnt something of Russian teachers' salaries. At the institute the directress received £150 per annum; two teachers £100 each; an assistant £60; linen custodian £25; housekeeper £30. They had 42 scholars; and in the building they employed 8 male and female servants, at a salary of £1 per month each. Beside this home staff there were 15 outside teachers, amongst whom the priest received £70 a year. At the boys' gymnasium the teacher of English received £7 10*s.* per month, and the teacher of German £25; or, to put it in another way, teachers of languages and of the four higher classes received 10*s.* a lesson, and those of the lower three classes 6*s.* The teachers elect from their own number an inspector, who receives an additional £60 per annum and a house rent free. Further, the Government appoints a director, at a salary of £250 per annum. All teachers in Siberia appointed by the Government receive an increase of 25 per cent. of their salary every five years; and after ten years' service have an annual pension of half their salary.

one class came in the morning, and the other in the afternoon. The religious instruction consisted in learning the 10 principal prayers of the Russian Church from a small primer, the contents of which would be as much or, I was told, rather more religious knowledge than the average Russian peasant would know. The children received at Christmas presents of clothing, and a marked increase of attendants takes place as the time for the gifts draws near—a phenomenon not confined to Siberian schools!

Madame Erdmann told me of an industrial school in the town for boys, where they are paid 6*d.* a day for their work. It must not, however, be inferred from these remarks about the educational condition of Vladivostock that things so prevail throughout the province. On the contrary, there are only 15 elementary schools throughout the Primorsk, attended by 215 boys and 66 girls; and the low condition of education was alleged to the Emperor as one of the principal causes of crime in the district.*

The foreign communications of Vladivostock are in summer tolerably numerous. Ships from various nations come northwards to avoid the heat of the tropics, or to get coal at Dui, and put in at Vladivostock for provisions, the prices of which, in the meat and vegetable markets, immediately rise on the arrival of a large ship.

* Thus the official report dealing with the morality of the people called attention to the fact that many are convicts and soldiers sent to the district for punishment, to the unusually large importation of alcohol and Chinese brandy, to the high price of necessaries, the insufficient number of free marriageable women, and, lastly, to the low condition of education. The chief causes of crime were given as gambling and drunkenness; and the crimes committed in 1878 were: insubordination to authorities 13, breaking prison bounds 4, vagrancy 31, murder 5, personal violence 11, libel and assault 12, theft 27, and highway robbery 11.

Again, the inhabitants of this town in the far east have the advantage of two telegraph stations, by one of which they can send a message to London through Siberia, and by the other *viâ* China and India. The latter wires are those of the Great Northern Telegraph Company, opened in 1871, and passing through Hakodate and Nagasaki, thence to Shanghai and Amoy, and so on to India and Suez. The latter wire goes by the route I followed as far as Khabarofka, there meeting wires from Nikolaefsk, and then continues across Siberia by the route I travelled. The number of messages sent in 1878 from Russia to China was 595, and to Japan 515, or 1,110 in all.

Of the two Siberian wires, one, I found, is reserved for international correspondence. Of 20,000 messages passing from the south through Vladivostock, no less than 15,000 were in English. Of the remaining 5,000, those in the French and German languages absorbed the larger proportion.*

* A comparison of the salaries of the clerks shows the English company to pay a higher rate. The English company has 25 European clerks, independently of Japanese, Chinese, and Portuguese subordinates. The European clerks begin at a salary of £320 a year, and go on to £420, after which they ascend to higher offices and shorter hours as superintendents, etc., and rise to £800 a year or more. In the Russian service a clerk begins at £2 12*s.* a month if speaking only Russian, and receives £2 10*s.* a month extra for each new language acquired. A first-class clerk has about £120 a year, with a house and perquisites; and even a superintendent receives only £280, with the like additions, part of which consist of rye meal or flour. I heard one man say he bought up this meal of his fellow-clerks to give to his horse and chickens. They also receive travelling-money periodically. I was favourably impressed with the bearing of the telegraph officials throughout Siberia. In some cases they live a most secluded life. At Busse, for instance, I met one who had been shut off from the world in that tiny place on the Ussuri for nearly ten years, hoping to realize a pension of £36 a year. The English company gives a pension, three-tenths of salary after 10, one-half after 20, and seven-tenths after 30 years' service.

The director of the Great Northern Company was Mr. Russell, at whose house I dined, and whose wife played the harmonium at the Sunday service. I have already mentioned the heartiness with which Russians and foreigners alike assisted these services in the Primorsk. At Nikolaefsk, not only did the authorities send round notice of what was to take place, but they seemed to vie with one another in offering assistance. The military commandant offered the use of a room at the club; the captain of the port, being a Protestant, seemed almost aggrieved that his house from the first had not been chosen, and the chief civil authority lent the best room in the Governor's residence, and attended the service with other dignitaries in full uniform. There were present on the first Sunday 33 persons, Greeks, Romans, and Protestants, representing Russia, Poland, England, America, Finland, Germany, and Sweden. Some came, doubtless, out of curiosity to see the first English service on the Amur, but many were able to understand; and on the second Sunday, which was wet, there were 20 persons present, all men but one. At Vladivostock the service was held in the new Lutheran church. The congregation numbered 27 persons, representing quite as many nationalities as at Nikolaefsk, and some Swiss besides. So few were familiar with the offices of the English Church that I was compelled to make the service of an irregular character; but it was pleasant, after the sermons, to have one and another grasping one's hand, and expressing their thanks for what they had heard. Some of them had not had such an opportunity for a long time. I was greatly struck with one thing that reached me in connection with

these services. Some of the Russians had never attended a Protestant service before, and more than one remarked upon its solemnity. This I thought remarkable as coming from persons who from childhood had been accustomed to an ornate and very elaborate ritual, and none other. They were plainly struck by the quietness that prevailed and by the appeal to the intellect as manifest in the sermon, in contrast to their service of worship only, with persons moving hither and thither; and a well-educated officer, commenting upon the solemnity of the service, said that he had never before been impressed by a sermon in his life.

The offertory at Vladivostock was given to the building fund, for the church was not quite finished. A resident pastor was expected to arrive in the course of a few months, which would make four Lutheran ministers in Siberia, instead of the former three living in or near Omsk, Tomsk, and Irkutsk, their general superintendent, Pastor Jürgenssen, living at Moscow. The number of Protestant churches in Siberia is five, and of Protestants about 7,000. At Ekaterineburg are living some 300 German Protestants, but nine persons, we heard, was considered a large Sunday congregation. In the vicinity of Tobolsk some of the Lettish peasants were said to have joined the Russian Church, and some to have fallen away from religion altogether. The account, however, of 1,800 Finns living at Ruschkova was better. They had petitioned for, and were awaiting, a pastor.

At Vladivostock I took my farewell of Siberian exile life at an experimental penal colony called "First River" village. Accompanied by the German captain

of the *Cyclop*, Captains Boris and Charles de Livron, and a lady, we proceeded thither on horseback, by a pretty ride through a partially-cleared forest, till, from the top of a hill, we saw a brewery, brick-fields, and, not far distant, nestling among the trees, the exiles' village. It consisted of about 20 log houses, occupied by 15 convicts and five others who had served their time, and who might have removed elsewhere, but they so far liked their quarters that they chose to remain. Two naval men lived in the village for the purpose, ostensibly, of keeping order, and a few Chinese had been attracted to settle in the place. Four of the convicts were under sentence of 15 years' hard labour, one for 20 years, and one for life. They were condemned to Sakhalin, but, seeing that their wives had accompanied them, and that there was not enough work in the coal-mines, the kind-hearted Governor had obtained permission to place them in the little colony as an experiment. The men had built their own houses, and took it in turns to go into Vladivostock, from eight to twelve, to do night work. They might earn what they could by day, and the wives were able to add to the store by laundry work. One wife had by this means possessed herself of two cows.

Besides this, they might take as much land as they chose to cultivate. They were growing potatoes, pumpkins, cucumbers, and cabbages, but the soil was said to be unsuitable for corn. Pigs and poultry were running about; and though, according to their own account, one of them with seven children found it difficult to make a living, yet the others did so easily.

One of the convicts, thinking I was a Government official, informed me that he had not yet received his

new clothes, whereupon I learned that, when they begin to colonize, they receive monthly 72 lbs. of flour and 5*d.* a day. Every year they received a *shuba*, or sheepskin coat, underlinen, two pairs of winter boots, three pairs of summer shoes, and, once in three years, a long coat. In one of the best of the houses we found a clean, orderly room, with a good samovar, and plenty of pictures and photographs. The owner possessed two cows and a horse; so we were told, at least, by a fellow-convict, who took us into his garden and seated us beneath a bower of wild vines. Milk and wild grapes were afterwards brought for our refreshment. This man had been in the Imperial Guard, and had finished his military service, when, having invited some friends to his house, he killed one of them in a drunken quarrel. I tried to get at the relative positions of some of these convicts before the committal of their crimes and after, and found in one case that in Russia the man was a drunkard and poor, whereas in this village he could live well, and could not get intoxicated so easily, by reason of his distance from Vladivostock. There were but one man and one woman in the village who could read, and one had friends who corresponded with him from Russia. The children were educated at the industrial school at Vladivostock. Thus my last specimen of Siberian exile life was the most favourable of all.

I had now followed the exiles from Moscow all across Siberia, and, with the exception of the mines at Nertchinsk and Dui, had seen them under the varying circumstances in which they live. Looking at the matter calmly and dispassionately, I am bound to say that "exile to Siberia" no longer calls up to my

mind the horrors it did formerly. I am quite prepared to believe that instances have occurred of bad management, oppression, and cruelty. I have already quoted some cases; but that the normal condition of things has been exaggerated I am persuaded. Taken at the worst, "condemned to the mines" is not so bad as it seems, and in the case of peasant exiles, willing to work, I cannot but think that many of them have a better chance of doing well in several parts of Siberia than at home in some parts of Russia. English people are accustomed to think of exiles like the parents of "Elizabeth," banished to a region in the far north where scarcely anything grows; but a little consideration would show this to be, in the great number of cases, extremely unlikely, for the Government would then have to keep them, whereas in the south they can keep themselves. On the sea coast, women convicts get excellent places as servants. One hardship connected with their lot is that, until they have served their time or gained their good conduct class, they cannot marry; and even then the husband, if a free man, must undertake not to quit Siberia and so leave his wife behind. This law is rigidly enforced. I heard of one case of a woman who had behaved particularly well, and whose husband wished to return to Russia, for which even the Governor of a province petitioned, but the request was refused.

A lady told me at Vladivostock that some of her convict servants had recently said to her, "We have such a good time of it here in Siberia, that, had we known it, we would certainly have committed a crime before to get here; and now we mean to write to our relations and tell them to do something to get

sent here too,"—a speech that will probably strike the reader as the foolish saying of a servant girl, but the truth of which, *in this particular case*, I do not doubt. The servant had the good fortune to be taken into the service of Madame Boris de Livron, who had spent many years in America, and of whose home I can speak, because I dined therein; and one had only to contrast with it some wretched *izba* in European Russia, from which, perhaps, the woman came, and her laborious work in the fields, to render it exceedingly likely that she spoke, after all, only the sober truth. That this was an exceptional case may very well be, and so also the exile village was in a manner exceptional, for the exiles are usually planted, on their release, among colonists, rather than put into villages by themselves; but I have quoted these instances as the least repulsive forms of exile life that came under my notice, and to show that, once set free from prison, the prosperity of the banished is pretty much in their own hands.

Before leaving Vladivostock I called upon the priest, who gave me information about the church, and I likewise made the acquaintance of several of the merchants, among them Mr. Lindholm, who had whaling vessels in the Sea of Okhotsk. With him I exchanged my paper money, at the rate of two roubles four kopecks per Mexican dollar, taking with me a draft on his partners, Messrs. Walsh, Hall, and Co. of Yokohama. Thus prepared I awaited the return of the Governor, and on Monday afternoon, September 29th, the admiral's flag appeared in the harbour; the naval captains and military officers assembled to present their reports, and I got my luggage on board the *Djiguitt*.

Madame Erdmann insisted on my coming, however, the same evening to be introduced to the admiral, which I thought very kind, immediately after his prolonged absence, and the weariness of his journey. A warm reception was accorded me by the Governor, a lively interest manifested in my plans, and I left *terra firma* to sleep in the ship.

CHAPTER LIII.

RUSSIANS AFLOAT.

Reflections on leaving Siberia.—Departure.—The Russian navy.—The *Djiguitt.*—Seamen's food, clothing, work.—Relation between officers and men.—Received as captain's guest.—Progress.—Hospital arrangements.—Arrival at Hakodate.—Divine service.—Religious professions of seamen.—Inspection of ship.—A "strong gale."—Russian sentiments towards Englishmen.—Cause of dislike.—Misrepresentations by English press.—Russian writings.—Transhipped to American steamer.—Arrivals at San Francisco and London.

> "*The sailor sighs as sinks his native shore,*
> . . . . .
> *And climbs the mast to feast his eyes once more.*"

SIBERIA was not my native land, and I did not climb for a last fond look; yet I confess to drawing half a sigh as I was borne away from Vladivostock. At all events I was not unmoved, and various thoughts presented themselves—some, I hope, of thankfulness that I had been permitted to cross the Old World without scratch or bruise.*

But my happiest reflections were connected with what has been called my work. I entered the country very much in the dark as to what could be done, and what I did was little enough to boast of; yet, to me, it was a source of gratitude that I had been permitted to place within reach of at least every prisoner and hospital patient in Siberia a portion of the Word of God. A few opportunities also for the exercise of

* For the Author's itinerary round the globe, *see* Appendix F.

clerical functions had presented themselves, such as the services at Nikolaefsk and Vladivostock, as also some others of a private character, which linger pleasingly in the memory. Since my return, news has come from Archangel that the books I left in 1878 have caused inquiry and demand for the Scriptures. Again, more than one who has followed me in Northern Asia has told of the manner in which the books left at the post-houses are treasured, and, last winter, two gentlemen, travelling over a large portion of Western Siberia, found the tracts I had left in great demand. One of them writes that they have been a boon and a pleasure at many a peasant's fireside. If, then, the result were no more than this, it would be something to have ministered gratification to tens of thousands of readers. But I had higher aims; for I believed that in those Scriptures and tracts there were germs of new life and thought and hope. I remembered what reading the Scriptures had done for men in other lands,—for Luther in his cell, and Bunyan in prison; and having sown the seed, I was content to leave it with Him in Whose name I went forth. Then I sailed away with the thought that I had done what little I could. Those who labour in similar fields will understand and sympathize with my feelings, and some perhaps will breathe a prayer that in the great day of account the harvest may be plenteous.

As the *Djiguitt* steamed out of the harbour we fired a salute of seven guns, and, gliding past the admiral's house, saw his Excellency and Madame Erdmann waving their handkerchiefs from the verandah. Our captain, Charles de Livron, is the admiral's son-

in-law, so that there were hearty farewells passing. Madame Erdmann had kindly expressed to me a wish that our acquaintance thus begun might be continued, and, on leaving, I felt that I was parting from pleasant friends, not only in the Governor's house, but in the town and country too. As I had applied to Captain de Vries for lodgings, I asked, of course, for my bill; but Mrs. de Vries would not hear of one, and the old captain said, "Well, write me a letter, and tell me how you get home, and then come again as soon as you can."

We had hardly lost sight of land before I began to inquire about the Siberian fleet, which I understood to consist of 12 ships, divided into four classes, some being of iron and some of wood; 1 is for the China station, and there are besides 5 transports, 2 cruisers, and 4 gunboats, the last with 3 guns each; the whole being manned by 208 officers and 2,240 seamen. Of these about 380 are employed on shore for mechanical and building purposes, and a far larger number live ashore in winter. Their pay is much higher (nearly double, I heard) than that of sailors in the Baltic fleet.*

And now a word about the *Djiguitt* (pronounced "Jee-geet," and meaning "a horseman"), on board which I was favoured with a passage from Vladivostock to Japan. The clipper had been built four years pre-

* The pay of sailors in the Siberian fleet, afloat and on shore, per month, is as follows :—Deck sailors, 4*s.*; rigging sailors, 4*s.* 4*d.*; steersmen and gunners, 4*s.* 9*d.*; cooks, firemen, carpenters, divers, and assistant clerks, 9*s.*; quartermaster, machinists, and head firemen, 15*s.*; boatswain's mate and foreman of machine room, 18*s.*; boatswain and clerks, 54*s.* Some have extras as perquisites, thus :—Hospital servants, per month, 9*d.*; chief gunners, 1*s.*; and torpedo men, 9*s.* The pay of officers, per month, is as follows :—Midshipmen from £7 10*s.* to £14 14*s.*; lieutenants, £7 10*s.* to £17 10*s.*; commander, £13 to £80; captain of second rank

viously, at a cost of £62,500, and measured 218 feet long, was of 1,300 tons burden, and fitted with engines of 250 nominal, but 1,200 registered, horse-power. She carried 200 men, with three large guns in the middle of the deck, and four small ones at the sides. The captain said he relied less upon his guns than upon his torpedoes, the apparatus connected with which fired 30 for defensive and 5 for offensive purposes. By means of wires the torpedoes—a kind supposed to be in possession only of the Russian navy—could be moved about under the water, and caused to explode automatically or at will. I am incapable of judging how far this information was correct, but I observed subsequently, from one of the English newspapers describing the *Djiguitt*, and some of her sister ships, that they were said to be well fitted to damage merchant shipping; and there is no doubt that, had England and Russia declared war in 1878, this clipper would have done her best to cripple the English commercial navy in the Pacific.

The *Djiguitt* had three masts, could spread 15,000 square feet of canvas, and, under sail and steam, was supposed to make 13 knots an hour. We were not fortunate enough, however, to get up to anything near this speed, nine knots on the first day being, if I mistake not, our best travelling. Often it was not more than six knots, and one day we made only 103

(frigate), £15 10*s.* to £100; and captain of first rank (ship), £17 4*s.* to £100. Seamen have all found for them. Officers provide themselves with everything except cabin and furniture, the captain having one man from the ship's company for a servant, the higher officers having one servant for two cabins, and the midshipmen one servant for four cabins. The mess on the *Djiguitt* cost each officer about £6 a month, including holiday wines, and entertainment to guests in port. The officers gave an entertainment before leaving Vladivostock.

miles. Everything on board was scrupulously clean. The same thing struck me at Vladivostock, when steering the boat of the chief of the staff, in which I was rowed to the end of the harbour. The boat was manned by six men with 18-feet oars. According to Russian regulations, the men row up to 42 strokes a minute, and I noticed that when their arms were outstretched the men simultaneously bobbed their heads, but whether for obtaining more pulling power, or for appearance' sake, I did not make out.

The sailors in the Imperial navy are now shorter than formerly. The Russian plan was to give from recruits, taken from all parts of the country, the tallest men to the navy, the next to the artillery, and the next to the infantry; but now they have made an alteration, and the navy takes the shortest.*

The food of the seamen on shore I have already alluded to. At sea, each man gets 1 lb. of beef per day and plenty of biscuit. As I saw them eating their meals, sitting at tables, or on deck in circles round a common soup-bowl, they appeared to have enough and to spare, for a good deal of broken victuals was at

* The method of Russian conscription is as follows:—The empire is divided into districts, each of which has annually to send a number of men according to the requirements of the Government. Lots are drawn from the men of 21 years of age, and those thus taken are examined as to size of chest, eyes, ears, teeth, pulling force and general health; and the faulty ones rejected. If sound, they have to serve seven, three, two, one, or half a year, according to their education; after which they pass into the first reserve. Those who escape the lot fall at once into the first reserve. They may then marry; and, if following certain callings, are free from further conscription, and in any case are liable to be drawn again only in time of war or emergency. At 28 these escaped ones fall into the second reserve, which is called up only in case of home invasion. There are besides for those upon whom the lot falls several exemptions, by reason of which they are either free or their service may be postponed.

times thrown overboard; and if, moreover, they do not eat all their allowance (which is usually the case), they may economise and purchase extras for holidays. Rum was served out at least once a day (for the notion that this benefits the men is not yet exploded in Russia), but a man might forego this if he pleased, and receive a trifling pittance instead.*

It was difficult sometimes on so small a ship to find work for 200 men; consequently, a large number of them were employed in labour of a time-killing character, polishing the fittings of the ship and guns, making them in some parts as bright as silver plate. Others were weaving stays, or binding fine wire on telegraph lines for use with the torpedoes. Once or twice I saw them at gun drill. The smaller guns were breech-loaders, firing 15-lb. shot, worked by five men each; and the larger were 90-lb. muzzle-loaders, each worked by 19 men.

There seemed to me to exist an excellent feeling between officers and men. The captain, on leaving

* The clothing served out to the men was similar in character to that of the soldiers already referred to, with the following yearly additions: a flannel shirt and two blue flannel jerseys, two pairs white shoes, two pairs white trousers, and three white shirts with collars, also five yards of towelling and two white cap-covers for hot climates. There is allowed them also 1*s.* for ribbons, 4*s.* for bed-linen, 1*s.* for spoon and knife, and the quartermaster 4*s.* for whistles. The machinists and firemen have each a further addition of two pairs of shoes and a black canvas coat.

With regard to work, Russian sailors usually lift half-a-ton a day. In harbour they work eight hours, and on shore 12 hours, with two hours for rest. On the *Djiguitt* the men rose soon after five, breakfasted, stowed away hammocks, washed the decks and got all clean before 8 o'clock. They then worked till 11, at which hour they dined and rested till 2; then worked again till 5.30, supped, and at 7 retired; but this programme varies, of course, according to time, place, and circumstances. The watches for the men were divided into two of six hours each by day, and three of four hours each by night; but the officers took in rotation five watches of four hours each.

Cronstadt, hinted to his crew that, as he was proceeding to Siberia, he might leave some of them there if they misbehaved. He gave them, however, an excellent character, and said that, on arriving in Japan, he told an officer to let him know the number of men whose conduct since leaving port had been immaculate, and out of 180 men more than 100 were found without a bad mark. These, by way of encouragement, he treated to a special performance in a circus. On another occasion the captain paid some Chinese jugglers to come on board and give the men an exhibition, whilst, in the tropics, the officers had given the men lectures on scientific subjects, illustrated by a magic lantern.

On boarding the *Djiguitt* I had as usual "fallen on my feet." There was a small berth in the vessel set apart for a chance passenger; but the captain honoured me with a place at his table in his own cabin, where things were more than comfortable. My host spoke excellent English, to say nothing of several other languages; and so well educated in this respect were the officers that, although the captain usually invited two of them to dine with us daily, there was seldom or never an occasion when they could not converse with me in English or French. Among the officers were some of the Russian nobility, one a prince, another a baron, and so on; and after sailing with them for 12 days, I came to the conclusion that they were gentlemen and officers of whom any navy might be proud. The doctor played the violoncello, a second officer accompanied on the piano, and others sang part songs. A young baron in Siberia had told me that the officers of the army were badly educated, and worse

"elevé"; but this certainly was not the case with the officers of the *Djigitt*.

On Sunday the captain and I were invited to lunch in the officers' cabin, where I was reminded of the smallness of the world by the discovery that the first lieutenant sitting next me had been to the Greenwich Observatory, and as he had gained scholastic distinction in Russia, and had the privilege of spending two years in foreign study, he thought of coming again to Greenwich to the Naval College.

We left Vladivostock on Tuesday, the 30th of September, for Yokohama, and made fair progress till, next morning, a slight derangement of the machinery caused us to lift the screw and depend on sails. This piece of brass machinery, weighing nearly five tons, was heaved up by two lines of seamen on either side of the deck, which operation interested me, as did also some of the manœuvres for setting the sails, of which 11 were one day hoisted on the foremast, thereby spreading to the wind about 5,000 square feet of canvas. I accompanied the captain once or twice on his rounds of inspection, and was surprised at the stock of carpenters' tools and stores on board. In the kitchen, divided into two compartments for officers and men, was a Chinese cook, who received excellent wages (the Chinese cook at Madame Erdmann's at Vladivostock received £60 a year); and to him I paid the ordinary passenger's tariff for food of 4*s.* a day. In the fore part of the clipper were two small compartments almost dark, used, when needed, for a prison.* There was a

* I met at Vladivostock the officer who had to do with the legal affairs of the Siberian fleet, acting as judge (aided by three or four others), but whose sentences had to be approved by the admiral.

lazarette on board, and I found that the doctor was obliged to keep a daily report, showing the number of patients in the ship, the number of cases standing over, new cases, cured, sent to hospital, remaining, and dead.*

We sighted Japan on Friday, October 3rd, and early on Saturday morning reached Hakodate, where the ship stayed to get coal. I went on shore, not dreaming that I should know a creature, but soon found a missionary with whom, as a student, I had played football and cricket; and then, walking along the streets, a second surprise awaited me on meeting a youth whom I had known as a boy in Sussex. We stayed only a few hours, but I had time to visit the prison with Mr. Dening, the missionary; and then, getting on board, we steamed away on Saturday afternoon.

On Sunday morning, at half-past nine, a white sail with a red cross was run up to the mast-head, the bugle and drum sounded, and the crew assembled on deck for Divine service. Two men, uncovered, reverently brought an ikon, which was fastened by an officer to the captain's bridge. It was a new ikon (about two feet square) of silver gilt, lately presented by the captain and officers of the ship at a cost of £20. It had been purchased in Petersburg, been sent to Vladivostock *by post,* and was used on this particular Sunday for the first time.†

* The form to be filled up for a patient was something to this effect:—Name of patient, To what duty assigned, Number of his ship at Cronstadt, Age, How long in service, From what province, How often in hospital before, How often ill on board before, Name of disease, When taken ill, When cured or died, How many days ill; and beneath this was a form for showing diagnosis of the disease, heat of body, internal and external treatment, and food. A monthly report also had to be forwarded by the medical officer to Petersburg.

† Each ship has, I believe, its particular ikon, as I found at Kara was the case with each company of Cossacks, who carry the picture in a special

When all was ready the officers and choir were ranged in front and the men behind, and the Commander (in place of Captain de Livron, who is a Lutheran) read prayers and a psalm, the men responding and singing. The service was of short duration, but highly impressive, and very reverential. So, too, was their daily evening prayer, just before going to their hammocks at dusk, when the men, drawn up in double lines facing each other, at a signal doffed their caps, and chanted the Lord's Prayer.*

After Divine service the captain proceeded officially to inspect the ship, which he did in a very thorough manner, looking into every hole and corner for the least speck of dust or disorder. Here a cloth had been left in a recess, and there a piece of biscuit remained on a shelf. Both were ordered to be removed, and the attention of an officer was drawn to the broken hook and eye which attached the hen-house to the bulwarks. The captain even complained because,

carriage. Some of the ikons that have accompanied Tsars to the battle-field are treasured very highly in Russia. Private individuals, when travelling, frequently carry with them ikons, before which in their lodging they light lamps, as I saw in the case of a merchant at Tomsk.

* The religious professions of the seamen (excluding officers) in the Russian fleet I gathered from the Naval Almanack for April, 1879, to be as follows: —

	BALTIC		BLACK.		CASPIAN.	ARAL.	SIBERIAN.		TOTAL.
	Afloat.	Ashore.	Afloat.	Ashore.	Afloat.	Afloat.	Afloat.	Ashore.	
Orthodox Russian Ch.	16,669	289	4,729	31	1,281	291	2,028	308	25,626
Gregorians	...	...	1	...	3	...	...	...	4
Protestants	759	16	8	7	...	8	7	3	808
Roman Catholics	51	8	13	...	1	9	3	...	85
Jews	...	...	...	...	...	...	2	...	2
Mohammedans	47	...	5	...	43	19	4	1	119
Sects { Molokans	...	...	...	...	3	...	...	...	3
Sects { Pomorski	...	...	...	...	3	...	...	...	3
Pagans	...	...	...	...	...	3	...	...	3
	17,526	313	4,756	38	1,334	330	2,044	312	26,653
	17,839		4,794		1,334	330	2,356		26,653

putting his hand on the polished brass of a gun, he found it somewhat dusty.

This, however, was fine-weather inspection, and we were to have a taste of something different. On Tuesday and Wednesday all had been bright. About two o'clock on Thursday morning a sudden squall struck the ship from right ahead, and caused a commotion, but did no harm, and for the remainder of the day the wind blew coldly from the north. On Friday and Saturday the temperature rose, and on Wednesday, 8th October, we passed through a warm stream with a temperature of 77°, whilst the thermometer on deck indicated only 70°. I had frequently asked how soon we should arrive at Yokohama, and the captain had prudently declined to say; but on Sunday afternoon he volunteered the remark that he was able to assure me that we should be at Yokohama in four days. Luckless boast! for the words had not been long spoken when there came on a tempest such as I had never experienced. Towards sunset the wind whistled and blew "a strong gale," that would be marked 9 in the Beaufort notation (the remaining three degrees being 10, "a whole gale"; 11, "a storm"; 12, "a hurricane"). The topmasts were lowered, the sails furled, and the heavy guns, lest they should break away, were fastened by two extra lashings. Then followed great running about on deck, and climbing the rigging, at which I was looking on amused rather than otherwise. The captain, perceiving this, said, "Ah! we shall soon have the water rough!" And so it came to pass; there was a pendulum on the deckhouse to indicate the careen of the ship, the scale being marked up to 35°, and when I say that the ship

heeled over to 32°, the reader will be prepared for the statement that in the captain's cabin, where I was writing, the heavy table and myself behind it quitted our respective bases, in a very undignified manner, in favour of the opposite side of the cabin. The carpenter was called, and the table screwed down, after which, by tucking my knees tightly between it and a chair, I managed to hold my own. I know not whether the jolting of the tarantass across Siberia had rendered my nerves sea-proof, but, to my agreeable surprise, I found myself able to write during three severe storms on the Pacific and Atlantic. On Monday there ran "a high sea," which the captain marked "7" ("8" standing for "very high," and "9" for "tremendous," beyond which my figures to indicate the disturbance of the water do not go). After the storm came a calm wind with rough waves. We dropped the screw, used steam, and to some extent steadied the ship; but, with all our efforts, made little progress, and burnt a great deal of coal, so that we had not sufficient to steam the remainder of the voyage. The captain said he had never known, in so short a space of time, so many changes of wind, barometer, and weather.

I had learned that the steamer left Yokohama for San Francisco on Saturday, the 11th of October, and as the mail-packet makes the passage from Hakodate to Yokohama in 64 hours, my hope was that I might land in the early part of the week, take a peep at the capital, and then embark for California; but the storm and the calm upset our calculations completely, and I had nothing to do but to submit, and make the best of my ebbing opportunities of gaining Russian information, and of getting my statistics translated.

Being brought into such close proximity with Russian gentlemen for several days, we naturally became somewhat intimate; restraint wore off, and I learned more fully than I had done before the feelings of educated Russians towards England. When passing through Petersburg a general had said to me, "*J'adore les Anglais, mais je hais leurs conseils,*" which, in 1879, was natural enough. Also the *Djiguitt* had left Europe during the Russo-Turkish war, and I discovered that her officers had brought away with them unpleasant feelings towards my nation. One of them observed, though not unkindly, that the English had interfered most rudely with Russian affairs, for which, he thought, the English Government was deeply hated by the Russian people, though Englishmen, he said, were not so. He was ready to discuss, very keenly, the probability of war between our two nations; and did not attempt to hide the disappointment of the Russians at being foiled of their purpose to enter Constantinople. He thought that, if war did break out, it would, on the Russian side, be intensely popular.

I set myself to discover, if possible, the cause of the alleged dislike, whereupon I found that, among other reasons, he was extremely sore about the frequent misrepresentation of Russia in English newspapers. He complained that there were certain journals always ready to exaggerate Russian defects; and, to be honest, I could not help allowing there was a measure of truth in what he said. Misrepresentation, however, may arise from two different sources—from ignorance or from malevolence. When passing through the northern capital, I myself saw, in some of the best English newspapers, statements to the effect that Petersburg

was then in such a state that it was penal for anyone to stir out after nine without a certificate; that no evening party might be given without leave from the police; that no student might burn the midnight oil; and that a curfew law forbade a light to be seen in a dwelling after ten: all of which I read with amazement, for I myself was out as I pleased till past midnight, and burned a light in packing nearly all the night through. When I returned to London I said so to the editor of one of the papers, and found that his statements had been due to wrong information.

But complaint was made not merely of mistakes arising from ignorance or wrong information. It was urged that false statements were frequently put forth, and not properly and honorably rectified, when it afterwards became manifest that they were wrong.* I had not up to that time realized to what an extent this was true; but, after reading various books and papers for the present work, I cannot but acknowledge that some of the writers upon Russian affairs do, to put it in the mildest form, make

* As a flagrant instance, they complained of the falseness of the *Daily Telegraph*, respecting the carriage of convicts by the *Nijni Novgorod*, to which I have alluded in my first volume (page 45). I learn from the same paper of November 16th, 1881, that the Russians have been further annoyed by some untrue statements published by the *Daily Telegraph* on June 28th of this year, concerning "judicial and administrative abuses in Russia." These misrepresentations were copied by other papers, from which Mr. Tallack, compiling his report for the Howard Association, and falling into the pit, reproduced the matter thus: "Yet even an Imperial commissioner has recently reported atrocious cruelties to prisoners in Central Russia, including the torture of women with red-hot tongs; the killing of numbers by imprisoning them in dark dungeons; other prisoners reduced to almost naked skeleton figures in hideous caverns; inhuman floggings, 125 lashes being inflicted even for addressing warders in the old peasant style of 'thou' instead of 'you'; and other brutalities." When I read these charges I felt sure they were

the most extraordinary statements. Some of these, as I have said, arise from ignorance, and are pardonable; but others, it is to be feared, arise from something far worse, which I prefer not to have to name. What, for instance, will the reader think of the following extract from an article in the *Sheffield Daily Telegraph* of December 6th last, which has come to my hand just before going to press?—"The Russian Government does a regular and an important business with Sheffield. Our Russophiles will be charmed. The Government of 'the Divine figure from the North' takes from Sheffield five tons per week of horseflesh. The horses killed for Holy Russia are those which, through decay or disease, are worthless. The dogs' meat thus obtained is bought as food for human beings in Siberia, and, having to travel so far, it is often in a putrid condition when it arrives there, and in all its horrible putrescence it is so served out."

This is remarkable information. The cheapest cost of carriage known to me from Petersburg to the Siberian *frontier* is £5 a ton, taking 12 months in transit (no

untrue, but as I had not visited the prisons of Orenburg, where the atrocities were alleged to have occurred, all I could say was that I had seen prisons nearly all over Russia, and had witnessed nothing answering to such abominations. I ventured, however, to write to the editor of the *Daily Telegraph* for information respecting the Russian paper, the *Sjeverny Viestnik* (suppressed, I have since learnt, at least three years ago), from which the statements were said to have come, and I received a polite reply that the writer of the article was travelling in Russia. I then wrote to Mr. Tallack, who inquired concerning the matter of Mr. Kokovtzeff, one of three inspectors-general of prisons, who denied the truth of what had appeared. Accordingly Mr. Tallack (whose zeal in the cause of prison reform is well known), finding that he had been deceived, wrote to the *Daily Telegraph* to say so; but I was sorry to see that, though this paper had given a whole column in bold type to the misstatements, which had been multiplied therefrom by hundreds of thousands, yet all the space they could spare for contradiction was 15 lines in very small type!

wonder that the meat is putrid!); and if to this sum be added the cost of the horseflesh and its conveyance from Sheffield, and salt (for the *Telegraph* is kind enough to say, on Dec. 3rd, that the meat is salted, although it becomes putrid!), then how strange it will seem that the Russian Government should come to Sheffield to buy meat, when live stock, as I have already stated, can be purchased in Western Siberia at less than ½*d.* per pound! This, with a vengeance, is "carrying coal to Newcastle"! But the article goes on to speak of the prisoners working "in quicksilver-mines, where the mercury produces an artificial leprosy that rots blood, bones, and skin"; and then the writer pathetically adds that this "is the unspeakable fate of thousands of Russians in whom education and a disposition and temperament naturally brave have aroused thoughts too deep for tears, and a devoted courage worthy of the Christian martyrs." These "martyrs," moreover, are fed with "flesh swept up from English knackers' yards"—that is to say, with horseflesh carried overland 8,000 miles!—I suppose to Nertchinsk, for the writer wisely abstains from naming the locality of his mines. O wonderful information from the *Sheffield Daily Telegraph!* Would that I could be informed where there exists in Siberia a quicksilver-mine at all, that I might hasten thither if only to clear up this mystery about—Sheffield horseflesh!

To return, however, to serious writing. Is it surprising if Russians feel annoyed at calumnies so gross? and ought one who knows them to be so to abstain from giving such statements the lie? Few Englishmen, one trusts, will be proud to read misstatements like these, and the exposure of them, it is to be hoped,

may lead the unimpassioned to reflect on such injustice, and to call it by its proper name. For my own part (humiliating as it is to acknowledge), I have learned to expect from certain quarters exaggerations and misstatements respecting Russian affairs. If any complain to me of the character of Russian diplomacy I reply that I do not defend it. I say nothing of Russians as politicians, and so long as human nature remains as it is there will probably not be wanting writers to fan national jealousies and misgivings to a flame; but no right-minded persons will ever look upon misstatements like those I have quoted, other than with shame and disgust. Such misrepresentations carry also their own Nemesis, for the uninformed, led astray thereby, when they see themselves duped often espouse the opposite cause. Such unfairness has taught me at least to sympathize with Russians who are thus misrepresented; and perhaps I ought to confess that this feeling had something to do with my resolving to write this book.

It does one an immensity of good sometimes to have to listen calmly to an opponent, and I was thankful for the plain speaking I heard on the *Djiguitt*. I am indebted for other similar thoughts to various writings by Russians, among them to Madame Novikoff's "Russia and England—a Protest and an Appeal" (by "O. K."); all the more forcibly put because so politely written. I have said in my preface that of politics I know next to nothing, and it is not in this connection that I agree or disagree with what that accomplished lady has published; but I perceive that "O. K." has found in England what I have found in Russia—a number of warm and generous friends,

between whom one would desire that only the best of feelings should exist. If Russia were but better known, a similar feeling would grow, I feel sure, between Englishmen and Russians generally, and both would be gainers thereby. There are many who wish to know the truth respecting Siberia, and to form an unbiassed opinion, and if what I have written should tend in any degree to this end, I shall be thankful indeed.

On Saturday morning, October 11th, the *Djiguitt* was creeping along, without coal and almost without wind, when a five-masted steamer was seen on the horizon, coming away from Yokohama. "That," said the captain, "is your steamer. Shall I ask them if they will take a passenger?" I quickly decided in the affirmative, packed my luggage, and embarked in a gig. The commander of the *City of Peking* did not stay to read the signals, but, seeing a boat put off from a man-of-war, concluded that it could be nothing short of an officer with important dispatches, and came to a stand-still, to discover, however, that it was only to pick up a man "escaped from Siberia." San Francisco was reached in sixteen days. From thence I visited the Yo-Semite Valley, Salt Lake City, Chicago, and Niagara; and then, pushing on to New York, crossed the Atlantic to Liverpool, and on November 25th re-entered London, having compassed the world in nearly a straight line of 25,500 miles.

GRATIAS DEO.

APPENDIX A.

THE HISTORY OF THE RUSSIAN CHURCH.

(*From page* 162.)

THE history of the Russian Church may be treated under the four periods of its foundation, consolidation, transition, and reformation. Its foundation period extends from the end of the tenth century to the beginning of the fourteenth. In the year 957 a Russian princess, named Olga, visited Constantinople, was baptized, and returned with the Christian name of Helena. About thirty years afterwards there came to her grandson, Vladimir, envoys from the different religious communities of the known world,—from the Mussulmans, the Pope, the Jews, the Greeks,—inviting him to adopt their respective creeds. To these he replied by sending elders and nobles to examine their various religions; and shortly afterwards, in 988, he was baptized and joined the Greek Church. Vladimir then gave orders for a wholesale baptism of his docile subjects at Kieff. A church was built there, and the work of conversion advanced rapidly. The Holy Scriptures had been translated into Sclavonic a century before for the nations on the Danube; so that the Greek priests, on going to Russia, had this powerful lever ready to hand in the language of the people.

The period of the *consolidation* of the Russian Church dates from the beginning of the fourteenth century to the middle of the seventeenth, during which time the local centre of ecclesiastical history was transferred from Kieff to Moscow, and three great powers came prominently forward—the Tsars, the Metropolitans, and the Monks. The Tsar, in his ecclesiastical position, represented the laity of the Church,

and received the unbounded veneration of the people; and the Metropolitans, second only to the Tsar, almost without exception supported the authority of the Sovereign. In the middle of the fifteenth century the Metropolitans became independent of the See of Constantinople; and in 1589, Job, the Metropolitan of Moscow, was elevated to the dignity of a patriarch. Again, the hermits and monks acquired an immense influence. In 1338 was founded the famous Troitza monastery—a seminary, cathedral, church, and fortress all in one—the monks and clergy of which have more than once taken an active part in the deliverance of their country from the Tatars and Poles.

The *transition* period of the Russian Church extends from the middle of the seventeenth to the beginning of the eighteenth centuries, during which time lived Nikon, the famous Patriarch of Moscow. He has been called a Russian Chrysostom, a Russian Luther, a Russian Wolsey. Ivan the Terrible, in his own savage way, had done something towards rectifying the abuses of the Church. The Patriarch did more; he took in hand the Russian hierarchy, whom he found idle and drunken. He set them a good example, on one hand, by founding hospitals, feeding the hungry, visiting prisons, and, above all, after the silence of many centuries, by preaching; but, on the other hand, he administered clerical discipline with uncommon severity. He was perpetually sending his officers round the city, with orders that, if they found priest or monk in a state of intoxication, they were to imprison, strip, and scourge him; and numbers of dissolute clergy he banished to Siberia. His name, however, is chiefly remembered by reason of his innovations, or perhaps resuscitation of forgotten details in ritual. Finding that copyists' errors had crept into the service books, which were in manuscript, he sent deputations to Mount Athos, and throughout the Eastern Churches, for correct copies, put the printing press to work to circulate new rubrics, and set on foot a work of revision, which met with frantic opposition on the part of the ignorant among the people, and was ultimately made the occasion of the secession of a large part

of what are now known as the Russian *raskolniks*, or dissenters.

The fourth period, which has been called—though, alas! in only a very limited sense—the *reformation* of the Russian Church, extends from the time of Peter the Great to our own day. The patriarchate had attained to a position of great power, and the great Peter was not the man to brook such a rival as Nikon had been to his father Alexis; accordingly, on the death of the Patriarch Adrian, in 1700, his chair was allowed to remain vacant for twenty years, at the end of which time Peter abolished the patriarchate and appointed a synod. He also carried out many reforms and improvements, which he had the good sense to see were sorely needed. He established schools for the children of the clergy, abolished anchorites, reformed the monasteries, and issued regulations enjoining bishops to read the Scriptures carefully, and not to be absent from their dioceses without permission of the synod. Many of his changes, however, excited great dissatisfaction. The measures of Nikon had sadly perturbed the orthodox Russians; those of Peter drove them to desperation and to further schism. Among the charges brought against the Tsar were such as these: that he had introduced into the churches pictures by Western artists; and this was said to be a mortal sin. Besides this, at the opening of the eighteenth century, Peter changed the calendar, gave his people the 1st of January for their New Year's Day, and began to reckon the year from the birth of Christ instead of from the creation of the world. This, among other like things, was regarded as the very sign of Antichrist, inasmuch as he was "to change times and laws"; and Peter the Great is still designated Antichrist by a large proportion of the Russian dissenters. Since the time of the great reformer the Russian Church has gone on very much as he left it, the few minor reforms introduced by the Emperors Alexander the First and Second being in the right direction.

APPENDIX B.

THE DOCTRINES OF THE RUSSIAN, ROMAN, AND ENGLISH CHURCHES.

(*From page* 163.)

THE doctrines of the Russian Church are not set forth in any one public document like the "Thirty-Nine Articles of Religion," but must be sought in its creeds, councils, Church services, and catechisms. Generally speaking, it may be said that the Bible and tradition form the Russian rule of faith, and excommunication is the penalty of heterodoxy. The Nicene Creed we know the Russians receive, with the exception of the clause relating to the procession of the Holy Ghost from the Son; and the Athanasian Creed finds a place in their Church books, though it is not read in the public services. There are likewise certain works by eminent Russian divines which have been promulgated or received with more or less authority by councils or the general consent of the Eastern Church. Such are the treatise of St. John Damascene on the Orthodox Faith; the Answers of the Patriarch Jeremiah to the Lutherans, 1574—1581; Peter Mogila's Orthodox Confession of Faith of the Catholic and Apostolic Church of the East, 1643—1662; the Eighteen Articles of the Synod of Bethlehem, 1672; and the Orthodox Doctrine of Platon, 1762. We get a better insight, however, into the doctrines of the Russian Church, as they are taught in the present day, from Mr. Blackmore's translation of the Russian Primer, the Catechisms, and the Treatise on the Duty of Parish Priests—a perusal of which last seems to me to bring the Russian Church nearer to the English, and further from the Roman, than is generally supposed. Some idea of the divergences of the three Churches will be obtained by briefly enumerating their differences, thus :—

1. The principal differences between the Russian and English Church are upon—

(1) The number of the Œcumenical Councils.
(2) The number of the sacraments.
(3) Confirmation by priests.
(4) Marriage of clergy after ordination.
(5) Consecration of married priests to the episcopate.
(6) Transubstantiation.
(7) Invocation of saints.
(8) Reverence to sacred pictures and relics.
(9) Prayer for the faithful departed.
(10) The procession of the Holy Ghost.

2. The differences between the Russian and English Churches on one side, and the Roman on the other, are upon—

(1) Papal supremacy.
(2) Purgatory.
(3) Communion in one kind.
(4) Celibacy of priests and deacons.
(5) Indulgences.
(6) Works of supererogation.
(7) Judicial absolution.
(8) The doctrine of intention in priestly acts.
(9) The Apocrypha.
(10) Service in an unknown tongue.
(11) Withdrawal of the Scriptures from the laity.
(12) Use of unleavened bread in the Eucharist.
(13) The immaculate conception of the Virgin Mary.
(14) Papal infallibility.

3. Once more, the differences between the English Church and the Russian and Roman combined are upon—

(1) The number of the sacraments.
(2) Married bishops.
(3) Invocation of saints.
(4) Reverence of pictures and relics.
(5) Prayer for the faithful departed.
(6) Compulsory confession.

These are some of the principal differences between the three branches of the Catholic Church, besides which there are others connected with usage and ritual.

APPENDIX C.

THE SCHISMS OF THE RUSSIAN CHURCH.

(*From page* 163.)

IT cannot be denied that there is a very considerable amount of toleration of foreign religions in the Russian Empire. The Tsar does not emulate the Roman Pontiff, who, as long as he could prevent it, which was up to about 12 years ago, would not allow a Protestant place of worship to be built within the walls of his capital. On the contrary, at the fair of Nijni Novgorod, the Mohammedan mosque and the Armenian church stand side by side with the orthodox cathedral, and I am not sure that I did not see in the Chinese quarter a Buddhist temple. Notwithstanding all this, however, the religious toleration of the Tsar is of a somewhat one-sided character. A man is usually left in peace to practise the religion in which he was born, so long as he does not try to proselytize. Again, should an English Churchman, or any one else living in Russia, be convinced that the Greek Church is more scriptural and catholic than his own, the Greek Church will receive him into her communion. But not *vice versâ*. On the contrary, should a Russian Churchman living in Russia be convinced that the English Church is more scriptural and catholic than his own, and should he attempt to carry out his convictions, he would thereby render himself liable, I believe, to expatriation, confiscation of property, and other pains and penalties too dreadful to mention; and to receive the convert into the English Church would be more than the Chaplain at Petersburg or Moscow dare do. Again, in mixed marriages—that is, when either father *or* mother is "orthodox"—the children *must* be orthodox, and follow the religion of the State. Russians abroad sometimes change their religious profession,

in which case they remain Russian subjects, but are not permitted to return to their country unless they recant.

The matter therefore stands thus, that whilst the Russian Church is ready to receive from all, she gives to none—that is, if she can help it. Consequently, what she will not give, there are some who choose to take. The rich, who are possessed of broad acres, be they ever so convinced that some of the doctrines of the Greek Church are unscriptural and uncatholic, naturally think twice before they render their estates liable to confiscation. But there are others, who have less to lose, for whom confiscation has no such terrors; or, if it has, dare to face them, and bid the law do its worst.

Persecution, however, such as we have known in England, has never been a characteristic of the Church of Russia. I do not mean that her repressive measures have never taken a form which can with difficulty be distinguished from persecution. But she has never had an Inquisition; neither Petersburg nor Moscow has a Smithfield; and the plains of Russia have never heard such cries as once resounded through the valleys of Piedmont. On the whole, I am disposed to think that, in religious matters at all events, the hug of the bear is not so bad as might be expected from his growl; and that the powers that be, when they see a religious point cannot be carried, meet the difficulty half-way.

I left Siberia in a Russian man-of-war, and heard a story that will illustrate this. Formerly the law obtained in the Russian navy that all the seamen should have shaven chins. Now, at the Council of Moscow in the seventeenth century, to shave the beard was pronounced "a sin which even the blood of martyrs could not expiate"; and some of the Russian dissenters still believe that to cut the hair or the beard is altogether unscriptural and unorthodox. Accordingly, one fine day two recruits appeared in the navy with flowing beards. They were ordered to cut them off, but they obstinately refused. Their insubordination was reported to higher quarters, and an order was returned that the men must shave or be shaved. The men still refused, and in consequence were shaved, to the saving of their consciences, but the loss

of their beards. But nature gave them new ones, and the difficulty came up again, the men once more refusing to obey orders. Their obstinacy was again reported, this time to very high authorities—to one of the Grand Dukes, if not to the Emperor himself—when it occurred to one of them, in his wisdom, to ask *why* these men should be made to shave; and, no satisfactory answer being forthcoming, another question followed—why should *any* of the men be made to shave? and shortly there went forth a regulation that, throughout the whole of the navy, men should be left to do as they liked with their beards. So in many things respecting religion: when the Government of the present day cannot carry a point, they not unfrequently give it up, or cease what looks like active persecution.

The Russians have, however, certain fanatical sects to deal with, whose tenets are so outrageous that no enlightened Government could do otherwise than try to repress them. Some of their ideas are sufficiently ludicrous. "Cursed be the man," said one of these people to an acquaintance of mine—"Cursed be the man who presumes to pray to God in a pair of trousers!" from which, I suppose, we are to infer that in public worship these individuals think it right to divest themselves of their nether garments. I am not aware, however, that persons such as these are persecuted. Among the fanatical sects also are the Scoptsi, some of whom are banished to a village on the Yenesei. There are certain sectarians also who have no settled home, but wander about as strangers and pilgrims. We met some of them in the Siberian wilds. The great mass, however, of the Raskolniks, or Russian dissenters, estimated at eight millions in number, are very different from those I have mentioned.

When, in the seventeenth century, the Patriarch Nikon began to have the Church books revised and corrected, he met with fierce opposition. He was charged with interpolating instead of correcting the books, and nothing would persuade many of the ignorant people to the contrary. Many thus became unsettled and broke away—not, they would say, because they were leaving the Church, but because the Church,

with its new-fangled notions, was leaving them. Then when, in addition to Nikon's changes, Peter the Great introduced others, things were looked upon as becoming worse than ever. There was, accordingly, a large section of the most ultra-Conservative Russians, both of priests and people, who clung to old books, old pictures, and old ways, under the impression that thus only could they worship God according to the customs of their forefathers; and it is from these secessionists that the great mass of the *Staroveri*, or Old Believers, are descended. We heard, at Tiumen, that some are very strict in their habits of living; that, for instance, they will not drink tea or wine, and will not drink out of the same vessel with one who is not of their sect. The Staroveri are split into two principal parties. They had a bishop with them at the time of their secession, and he ordained many priests; but as these priests died they asked. How shall we fill their places? They had no second bishop to ordain more. Some decided that they would do without priests, and these are called *Bezpopoftschins*, or priestless. The others for a time got priests from the Established Church as best they could, but eventually came to a compromise with the Government, and, by certain concessions made to them, saved their scruples and obtained their priests. These are called *Popoftschins*. The differences, however, between both parties on the one side, and the Established Church on the other, were not questions of doctrine, but such points as these: the Starovers gave the benediction holding up two fingers, the established clergy holding up three, which latter practice was regarded by the Old Believers as a mortal sin. The Starovers' form of the cross had three transverse beams, instead of the Russian two or the Latin one. Again, to say the name of Jesus in two syllables instead of three (as in Greek) was condemned by the Starovers, as was also the repetition of the hallelujah in the service thrice instead of twice. It became also an alarming innovation to read or write, for ecclesiastical purposes, a word in modern Russ. I had a reminder of this in 1878 on the Dwina, where Old Believers exist, for I sometimes

found my tracts objected to because not printed in Sclavonic.

But there are many among the Raskolniks of Russia who dissent from the Established Church on points less diminutive than those of the Starovers; as the *Dukhobortsi*, or "wrestlers with the Spirit," who spiritualize to a high degree both doctrines and sacraments. Also they reject pictures, do not cross themselves, nor observe the appointed fasts. In their meetings they pray for one another, sing psalms, and explain the Word of God. They call themselves "Christians," and their great dogma is to worship God in spirit and in truth. They have no magistrates, but govern their own society; they practise brotherly love, have all things common, and are remarkable for the orderly and cleanly manner in which they live. An officer whom I met last year in the Caucasus spoke to me in the highest terms of their blameless lives.

There are many other sects of the Russian Church, many followers of which are found in Siberia, either because banished or born there, or having migrated by their own choice for the sake of greater liberty. Not the least interesting among them are the *Molokans*, some of whom I found on the Amur, and others more recently in the Trans-Caucasus.

APPENDIX D.

THE DISCOVERIES OF WIGGINS AND NORDENSKJOLD.

(*From page* 196.)

FROM various papers in the Proceedings of the Society for the Promotion of Marine Enterprise and Trade in Russia, together with information gathered by Mr. Oswald Cattley, it seems that Mr. M. K. Sidoroff of Petersburg was the agitator, and, in a certain sense, the originator, in modern times, of sea-trading adventure in the north of the Russian empire. He was largely interested in gold-mining in the Yenesei, and his efforts to open up marine communication with the north date from 1841. In 1860, thanks to his enterprise, the first foreign vessel entered the Bay of Petchora. At the Universal Exhibition of 1862, in London, Mr. Sidoroff exhibited, and obtained two medals for, products from the Turukhansk district—graphite, skins, coal, salt, mammoth tusks, etc.—all of which he presented to the South Kensington Museum. In 1867 he began agitating the possibility of communicating with Europe by sea *viâ* the Yenesei and Obi rivers and the Arctic Ocean. In 1868 he communicated with the Norwegian whalers, and at his initiative Captains Foyne, Carlsen, and others ventured into the Kara Sea, but none reached to the mouth of either of the two great rivers. This success was to be reaped by Captain Wiggins, of Sunderland, who fitted out, at his own expense, a small steamer, the *Diana*, in which he reached the mouth of the Obi in 1874. He was resolved upon repeating the voyage in 1875, and to that end invited capitalists to assist him in organizing a trade between Siberia and England. These overtures were not successful to any considerable extent, though two gentlemen came forward with subscriptions in Sunderland, and the captain added more from his own means; but the whole amounted to

less than was needed for efficient operations. Determined, however, not to be baffled, Wiggins purchased a small cutter, the *Whim*, that might have been put in a good-sized drawing-room (it was only 45 feet long, and of 27 tons register!), and in *that* he sailed direct for the Kara Sea. The weather was adverse, and he was compelled to return in the autumn of 1875. Another explorer, however, had followed suit, for Professor Nordenskjold, seeing what Wiggins had done in 1874, took the same track in 1875, and reached the mouth of the Yenesei. Thence he sent back his walrus sloop to Hammerfest, ascended the river, and returned overland to Petersburg.

Captain Wiggins was now asked to meet his brother explorer, Nordenskjold, at Petersburg, where they both addressed crowded audiences; after which the Russian merchants offered subscriptions towards the equipment of another expedition, under the command of Captain Wiggins, who was to return at once to England and secure a steamer suitable to the work. But jealousy of a "foreign element" subsequently seized some of the Russian merchants, and they desired that a Russian naval officer should head the expedition—in other words, that Captain Wiggins should be pilot, which he declined. Many of the Russian subscriptions were in consequence withheld, but not that of Mr. Sibiriakof, who placed his money in the hands of the editor of the *Times*. This money, with the assistance furnished by Mr. Gardiner, of Goring, enabled Wiggins to attempt a third voyage, and he now purchased the screw-steamer *Thames*—doing so, however, under protest, for she was not the vessel he ought to have had. In this, in 1876, he started for the mouth of the Obi, and reached it; but, owing to the unsuitability of his ship, he could not ascend the river. He lay, therefore, in the Baidaratsky Gulf of the Kara Sea, employing himself usefully in making nautical surveys, dredging, etc. He then directed his course to the Yenesei, entered the river, and reached the village of Dudinsk, about 400 miles from the ocean. Here he was informed that the nearest port or river of safety was the

Kureika. I have since been told, by one in Siberia, that this was a mistake, the river not being a suitable place for winter quarters. But the captain proceeded without chart, without pilot; time was of importance; and he had not got his steamer into the Kureika more than two or three days before the ice formed, and she was locked up for eight months. This had been anticipated; and the captain now returned overland, post-haste to London, which he reached in January 1877.

Meanwhile Professor Nordenskjold had also been following up his discoveries, in proceeding again to the Yenesei, in 1876, with an object mostly, but not entirely, scientific. It was arranged that his expedition, consisting of Swedish geologists, botanists, zoologists, and men of science, should be divided into two parties; one going with the Professor, in the steamship *Ymar*, through the Kara Sea, was to enter the mouth of the river and ascend to Mesenkin; whilst the other party, under the direction of M. Théel, was to proceed overland to Krasnoiarsk, and then descend the river to meet their comrades. The Professor ascended to Mesenkin, but M. Théel could not get so far. The two parties therefore failed to effect a meeting; but they added much valuable information to what had been hitherto known of the natural history of the Yenesei, and which was printed in two reports—the one from Professor Nordenskjold, and the other from M. Théel, addressed to Messrs. Oscar Dickson, of Gothenburg, and Alexander Sibiriakoff, at whose joint expense the expedition had been sent.

In the spring of 1877 Wiggins went overland from England through Siberia, and down the Yenesei to the *Thames*, intending to steam back to Europe. But the vessel was damaged by the breaking-up of the ice, and became a wreck; and Wiggins was once more compelled to return by land. He had been accompanied on the outward journey by Mr. Henry Seebohm, who proceeded to the Yenesei to study its ornithology, and who has since published some of the results of his researches, as well as a book called "Siberia in Europe," on the ornithology of North-eastern Russia and

part of Siberia. Besides these travellers and their journeys, there have been several voyages undertaken, with a view to bring Siberia into maritime contact with Europe. The *Newcastle Daily Chronicle* for November 28th, 1878, records several voyages as having been made up to that time, with more or less success; and thus from the years 1875 to 1878 we learnt more than had ever been previously known of these two ancient rivers, the Obi and the Yenesei—to which latter, another vessel has made its way during the present year.

That Western Siberia is capable of being made to play an important part in the supply of European markets seems certain. The country possesses immense stores of minerals, from gold down to excellent coal, and agricultural produce both of fibre and cereals, the latter including wheat, to be purchased at from 12 to 15 shillings per quarter, first hand, which in England commands from 45 to 50 shillings. A thousand miles of land between the Tobol and the Obi is capable of producing an almost unlimited supply of wheat, oats, barley, rye, hay, linseed, flax, and hemp; and to these might be added for export, to be purchased very cheaply, hides, tallow, wool, and other products. Already, on the rivers of the Obi system alone, there are no less than 46 passenger and tug steamers plying annually, and ranging from 30 up to 120 horse-power. If, then, two central warehouses could be established, at, say, Tiumen and Tomsk, it would be easy from thence to purchase and carry produce to the mouth of the Obi. The difficult part of the navigation lies between the mouth of the Obi and the Kara or the Waigatz Straits, west of the Kara Sea; and what is required is a powerful steamer, adapted for working among ice if needed, to ply between the Obi Gulf and a depôt, say, on Waigatz Island, or even at the North Cape, whence ordinary vessels could bring the produce away. The ice steamer might then, in her last voyage for the season, return with foreign merchandise, to be sold at the establishments in the interior, and, in February, at the annual fair of Irbit where merchants congregate from all parts of Siberia. Mr. Seebohm

goes so far as to say that, could the talked-of canal be formed from the Obi Gulf across the Yamal peninsula, it might prove almost as important as that across the Isthmus of Suez. Captain Wiggins thinks the canal impracticable, but is sanguine as to the possibilities of trade on the Obi; and it has been computed by Mr. Oswald Cattley that with a strong steamer, a tug, six barges, and a couple of lighters, there might be exported from Siberia, in a single navigation season, 6,000 tons of wheat; but, of course, this would involve the outlay of considerable capital, and the location of responsible agents in the country.

APPENDIX E.

THE EARLY EXPLORATION OF SIBERIA BY SEA AND LAND.

THE north-east passage to China was attempted as far back as the 16th century, after the discovery of America had given such zest to geographical exploration. Willoughby, Chancellor, and Burroughs started on a route indicated to them by Sebastian Cabot, but with the result that Willoughby perished in 1554; Chancellor landed in the White Sea and laid the foundation of Anglo-Russian commerce; and Burroughs was stopped before entering the Kara Sea. Thinking that China might, perhaps, be reached by way of the Obi gulf, thence up the river, and by a fabulous lake of Kitai (or China) marked upon the map of Herberstein, the English renewed their efforts. In 1580 two English ships, commanded by Pet and Jackman, sailed towards the Russian Polar Seas, their navigators being counselled by Hakluyt and Mercator, the foremost geographers of their day; but both were baffled by the ice of the Kara Sea. The Dutch were not more fortunate, and in the three voyages, in which the illustrious Barentz took part, 1594-1597, no progress was effected beyond the Seas of Spitzbergen and Nova Zembla. In 1608, the Dutch Hendrick Hudson, sailing in the English service, endeavoured but in vain to pass the limits where his predecessors had been stopped, and after his name should be mentioned those of Wood and Flawes, bringing us to 1676. There was subsequently a lull in the efforts made by the navigators of Western Europe for two centuries, and then we have the voyage in the *Tegetthoff*, under Payer and Weyprecht. The fishermen and Russian merchants from

the White Sea, however, knew perfectly the route to the gulfs of the Obi and Yenesei. Of this there is proof in the map of Boris Godunof in the year 1600, although it is true that to travel by this route was forbidden sixteen years later under pain of death, lest the Russians should pilot foreigners to the coasts of Siberia.

Cut off thus by a frozen sea, the sailing of which was considered by the navigators and geographers of Western Europe an impossibility, the exploration of the North Siberian littoral could go on only from Siberia itself, which was done by means of river craft. In 1648, the Cossack Dejnev, leaving the mouth of the Kolima in command of a little fleet of seven boats, had succeeded in rounding the extreme northern point of Asia, and in clearing, long before Behring was born, the strait which bears the name of that navigator. Stadoukhin also traversed the seas of Eastern Siberia, looking for islands covered with fossil ivory, of which the natives had told him. In 1735 Prontchichtchev and Lasinius descended the Lena to examine its delta and coast along to the east and west. The former proceeded round Cape Cheliuskin (so named after his pilot), but did not reach the Yenesei Gulf, and the expedition brought back their leader's corpse. Again, an expedition set out in 1739 under Laptev, and, after being shipwrecked, crossed overland the most northern cape of the Old World, and explored the Taimur peninsula. The littoral between the estuaries of the Obi and Yenesei was discovered two years previously by Ovtzin and Minin.

Navigation towards the Siberian Sea had already commenced, however, by way of the Pacific. In 1728 Behring, a Dane in the Russian service, crossed Siberia by land, and, embarking on the Pacific, penetrated the famous straits which bear his name, and it was through him that the geographers of Western Europe learned the existence of this passage, already known for eighty years to the Siberian Cossacks; but the archives of Yakutsk had so closely kept the secret that the great Peter himself did not know it when he charged Behring to go and explore the coasts of Eastern Siberia.

The explorations of Cook, in 1778, confirmed the points laid down by Behring, and added much to our knowledge of these north-eastern waters. After the voyage of Cook, only the seas about Sakhalin, Yesso, and the Kuriles remained to be explored. La Perouse laid down the first tracing of the islands and the shores of the continent, and he recognized the insular character of Sakhalin and the existence of a passage uniting the seas of Japan and Okhotsk.

Thus all the coast lines of Siberia were mapped out as to their principal features, and there matters remained until, at the instance of Mr. Sidoroff, in 1868, some Norwegian whalers ventured to the Kara Sea, which, however, was not successfully navigated, I believe, by an *ocean* craft till 1874, when Captain Wiggins accomplished it by steam. He reached the gulf of the Obi, and would willingly have steamed on to "the land of Kitaï," but he was unsupported by such enterprise as sent out Willoughby, Chancellor, and Burroughs, and the rose was honorably snatched from the Englishman's hand by Nordenskjold, the Swedo-Finn, whose voyage may, in a manner, be said to have closed the maritime discovery of Siberia.

The scientific exploration of this vast country by land can hardly be said to have commenced till the 18th century, with Messerschmidt. Some years later, Gmelin, Müller, and Delisle de la Croyère, during an absence of nine years, from 1733 to 1742, recorded valuable observations on the physical geography of the country. In those days, however, the Russian Government regarded with considerable jealousy the publication of documents relative to the resources of the empire. Pallas travelled over Siberia to the Baikal and beyond, with several scientists, and brought back much valuable information, especially concerning geology and natural history. Scientific travels in Siberia were then suspended till after the political events of 1815. In 1828 the Norwegian Hansteen, accompanied by Erman, went on those travels which proved of such importance to the study of terrestrial magnetism, whilst Erman's astronomical determinations were of great use in correcting the maps which

hitherto had been only approximately correct. Humboldt went to Siberia when Hansteen and Erman were there; and though his visit, by reason of its shortness, was not very fruitful in observations, it proved important in the history of science, because he brought back documents which proved valuable for his work on Central Asia. The explorations of Middendorf in Northern and Eastern Siberia had considerable importance, and in 1854 Schwartz, Schmidt, Glehn, Usoltzoff, and their companions made a remarkable expedition, which explored the immense region stretching from the Za-Baikal to the Lena, including the northern affluents of the Amur.

These are some of the prominent names connected with the scientific exploration of Siberia in general. Several specialists also have pushed their way to various parts of the country—Castren the philologist to the Samoyede country, 1842-3; Maack, Venyukoff, and Radde, to the Amur and Ussuri, 1854-9; Müller and Czekanovski to the country of the Chukchees, 1869-70, and to the Yenesei in 1873-4. Two years later Seebohm, the ornithologist, descended the Yenesei, as also did the Swedish expedition under Professor Théil; and in the same year Finsch, Brehm, and Zeil explored the basin of the Irtish and Obi. For the names of other travellers in Northern Asia the reader is referred to the Bibliography of Siberia, and list of works consulted, in the following appendix.

P.S.—This appendix was written before the publication of "The Voyage of the *Vega* round Asia and Europe, with an Historical Review of Previous Voyages along the North Coast of the Old World. By A. E. Nordenskjold," whose book will doubtless be regarded as a standard work, and to it, accordingly, the reader is referred for fuller information on the maritime coast of Siberia.

APPENDIX F.

THE AUTHOR'S ITINERARY ROUND THE WORLD.

THE following shows the dates of the Author's arrivals and departures, with distances in miles travelled by rail, water, and road, together with the number of post-horses employed :—

DATES.	PLACES.	RAIL.	WATER.	ROAD.	HORSES.
April 30 to May 3	London to Petersburg	1,683	23	...	...
May 12 „ 13	Petersburg to Moscow	402	...	...	...
„ 14 „ 15	Moscow to Nijni Novgorod	273	...	...	...
„ 16 „ 17	Nijni Novgorod to Kasan	...	266	...	...
„ 19 „ 22	Kasan to Perm	...	686	...	...
„ 22 „ 24	Perm to Ekaterineburg	312	...	...	...
„ 27 „ 29	Ekaterineburg to Tiumen	...	...	204	74
„ 30 „ June 1	Tiumen to Tobolsk	...	...	172	65
June 3 „ 10	Tobolsk to Tomsk	...	1,601	...	...
„ 12 „ 15	Tomsk to Barnaul	...	...	238	51
„ 16 „ 18	Barnaul to Tomsk	...	...	238	51
„ 19 „ 24	Tomsk to Krasnoiarsk	...	...	369	165
„ 26 „ 27	Krasnoiarsk to Gold-mine and back	...	...	24	...
„ 27 „ July 6	Krasnoiarsk to Irkutsk	...	...	671	267
July 4 „ 5	Telma to Alexandreffsky and back	...	...	32	...
„ 10 „ 14	Irkutsk to Kiakhta	...	...	312	80
„ 15	Kiakhta to Cheelantoui and back	...	...	54	...
„ 16 „ 18	Kiakhta to Verchne-Udinsk	...	...	148	35
„ 18 „ 21	Verchne-Udinsk to Chita	...	...	294	112
„ 21 „ 24	Chita to Stretinsk	...	...	242	78

DATES.	PLACES.	RAIL.	WATER.	ROAD.	HORSES.
July 24 to Aug. 8	Stretinsk to Khabarofka	...	1,345	...	...
„ 25 „ 28	Kara	...	...	46	...
Aug. 9 „ 13	Khabarofka to Nikolaefsk	...	628	...	...
„ 31 „ Sept. 4	Nikolaefsk to Khabarofka	...	628	...	...
Sept. 6 „ 11	Khabarofka to Kamen-Ruiboloff	...	510	...	...
„ 11 „ 12	Kamen-Ruiboloff to Rasdolnoi	...		83	27
„ 15	Rasdolnoi to Vladivostock	...	66	...	...
		2,670	5,753	3,132	1,005
			SEA MILES.		
Sept. 30 „ Oct. 4	Vladivostock to Hakodate	...	553	...	...
Oct. 4 „ 11	Hakodate to Yokohama	...	645	...	...
„ 11 „ 27	Yokohama to San Francisco	...	5,261	...	...
„ 29 „ Nov. 5	San Francisco to Ogden	883	...	...	...
„ 29 „ Nov. 3	Lathrop to Yo-Semite Valley and back	182	...	170	...
Nov. 5 „ 6	Ogden to Salt Lake City and back	74	...	...	...
„ 6 „ 8	Ogden to Omaha	1,032	...	...	...
„ 8 „ 9	Omaha to Chicago	502	...	...	...
„ 10 „ 13	Chicago to New York	961	...	...	...
„ 15 „ 25	New York to Liverpool	...	3,482	...	...
„ 25	Liverpool to Blackheath	207	...	3	...
		6,511	15,694	3,305	1,005
			25,510		

From the foregoing it will appear that the total distance travelled was 25,510 miles, of which 3,305 miles were accomplished by the hire of 1,005 post-horses. The whole time occupied was 210 days. of these, 50 days were stationary; thus leaving 160 days, during which was covered an average of 159 miles per day.

APPENDIX G.

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AND LIST OF WORKS CONSULTED OR REFERRED TO IN THE FOREGOING VOLUMES.

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INDEX.

Åbo, Prison of, 63
Aboriginal population of Siberia, 52
Aborigines' love of drink, 102
—— of Manchuria, 547
—— of the Yenesei, 205
Accident on tarantass journey, 251
Account of a Russian prison, 380
Across Europe, 9
—— Lake Baikal, 309
Adamson, Mr., the catechist, 229
Advocate, Profession of an, 582
Afloat with Russians, 732
Aged prisoners at Kara, 470
Agriculture of the Daurians, 549
Aigun, Difficulty of entering, 558
—— Government buildings at, 557
—— Population of, 556
—— Temple at, 558
—— Theatre at, 558
—— Town of, 495, 556
Aino, Appearance of an, 650
—— language, 650
—— mission, 650
—— Translation into, 650
Akatuya, Prisoners in irons at, 421
Akmolinsk, Distribution of tracts in province of, 186
—— Dr. Finsch in, 159
Albazikha River, 515
Albazin, Country surrounding, 515
—— Sieges of, 515
—— Trees in vicinity of, 515
Alcohol and *vodka*, 544
Alcoholic liquors at Irkutsk, Price of, 265
Alexander, Peter, Protodiakonoff of Khabarofka, 673
—— Baptisms of Goldi by, 674
—— House of, 677
—— Translation of Gospels by, 673
—— Visit to, 673
Alexandreffsky, Inquiries concerning Author at, 249
—— Journey to, 243
—— Photography at, 250
—— Prison, 70, 245
Amusements, 83
Book for description of prisoners, 76
Books for, 249
Brickmaking, 247
Cigarette-paper making, 247
Convicts, Number of, 70
Director of, 244
Ethnography of, 246
Food, 79
Formerly a factory, 245
Gardening, 248
Hospital, 248
Petchka, 246
Prisoners in irons, 248
—— Number of, 246
—— seeing friends, 246
Scorbutus among prisoners, 249
Secret cell in, 245
Shoemaking in, 247
Work, 82, 446
—— Lack of, 247
Altai mountains, boundary of Russia in Asia, 19
—— Discovery of metals in, 153
—— Extent of, 148
—— Minerals in, 104
—— silver-mines, 411
Altars of sacrifice, 591
American animals, 644
Amur, Arrival on the, 503
—— Atkinson, Mr., on the, 440
—— Chernigovsky's expedition, 492
—— Collins on the, 499
—— Colonists, 502

Amur, Cucumbers on the, 588
—— Difficulties with China, 501
—— History of the, 489
—— *Ingoda* steamer on the, 510
—— Khabarof's expedition, 490
—— Length of the, 504
—— Lower :
Animals, 599
Boundary of, 580
Cats, Price of, 600
Cliff at Tyr, 589
Depth of, 580
Fish, 581
Flowers, 579
Fruit, 583
Gilyak habitation, 591
Hotsprings, 588
Ravenstein on the, 581
Religious services on the, 725
Scenery, 580
Settlers' village, 588
Temperature of, 579
Trees of, 579
Weather, 627
Width of, 580-85
—— Middle :
Climate of, 532
Manyargs on, 507
Province, Area of, 543
Scenery of, 535
Scripture distribution, 538
—— Military Governor of the, 500
—— Muravieff, the Governor, 496
—— Pashkof's expedition, 492
—— Population of province, 543
—— Poyarkof's expedition, 490
—— Route through Siberia, 52
—— Russian conquests on the, 489
—— Source of the, 19
—— Stepanof s expedition, 491
—— Territory of the, 504
—— Tribes' appeal to China for help against Russia, 493
——Upper :
Cliffs on the, 516
Flora of, 516
Peoples on Chinese bank, 506
—— Ust-Strelka, The river at, 514
—— Venyukoff's mission, 494
—— *Zeya* steamer aground, 511
Amusements of the Chinese, 342
—— Dancing, 622
—— Gilyak, 602
—— Prison, 83
Amusements, Russian, 621
—— Swings, 621
Anadir River, 639
—— Fish in the, 640
Anadirsk, Fort of, 640
Andreoli, M., Exile of, 43
—— on flogging, 93
—— on the *knout*, 91
Andreyeff, M., Introduction to, 615
Anecdote concerning an "equipage," 439
Angara River, Rapids of the, 311
—— Temperature of the, 310
Anglo-Chinese War, Influence of the, 501
Animals, American, 644
—— Asiatic, 644
—— Distribution over Siberia, 697
—— of chase in Yeneseisk, 207
—— of Sakhalin, 649
—— on Lower Amur, 599
—— Wild, 188
Aniva Bay, Scriptures for, 660
Annexation, Russian, of Siberia, 109
Antiquities, Bulgarian, 13
Appeal, Court of, 73
Apple-tree mountains, View of, 360
Archangel, Distribution of Scriptures at, 733
—— tour of Author, 4
"Archangel Gabriel" mine, 218
Archbishop of Irkutsk, Interview sought with, 274
—— of Tobolsk on tract distribution, 183
Archery in Manchuria, 556
Area of Russia in Asia, 18
—— of Tobolsk, 97
—— of Trans-Baikal province, 400
Argols as fuel, 368
Army officers, Pay of, 668
Arrests for drunkenness, Number of, 545
Arrival at Kamen-Ruiboloff, 686
—— at Petersburg, 9
Arrows and bows of Ostjaks, 126
Art in Siberia, 433
Asia and Europe, Frontier of, 18
—— Ethnography of Russia in, 19, 52
Asiatic animals, 644
—— boundary-line, 49
—— Russia, Population of, 20
Assaying gold at the mine, 223

Assizes, Court of, 73
Asylum at Krasnoiarsk, 229
—— for prisoners' children, 77
Atchinsk, Ispravnik of, 195
Atkinson, Mr., on the Amur, 440
—— on Buriat missions, 375
—— on Kirghese, 159
—— on Nertchinsk climate, 425
Atmosphere of prisons, 381
Author, Dilemma of, at Khabarofka, 574
—— Distance travelled by, 770
—— Farewell of exile life by, 726-8
—— Impressions of, concerning exile life, 726-8
—— Inquiries concerning, at Alexandreffsky, 249
—— Itinerary of, round the world, 770
—— Object of journey of, 1
—— Opinion of, on prisons, 662
—— Religious services of, 701, 709, 725
—— Work of, in Western Siberia, 733
—— Works consulted by, 772
Awaking a Russian at Nijni Udinsk, 241

BAIKAL, Lake, 19
—— Area of, 312
—— Basin of, 312
—— Destination for political prisoners, 37
—— Fish of, 312
—— Flora of neighbourhood, 315
—— Storms on, 312
Bail found by prisoners, 74
Bank at Khabarofka, 578
—— Siberian State, 578
Bankova River, Fair held by Cossacks, 488
Baptism, Author's administration of, 701, 709
—— Certificate of, 709
—— in the Russian Church, 167
—— of Goldi, 674
—— Service of, 167
Barge transport of exiles, 29, 120
Barnaul, Cemetery at, 152
—— Flora in district of, 149
—— Hospital at, 153
—— Journey to, 148
—— Land at, Cost of, 158
Barnaul, Museum at, 157
—— Poor-house at, 153
—— Population of, 152
—— Provisions at, Cost of, 158
—— Silver-smelting at, 156
—— Tatars at, 62
—— *Usine* at, 153-6
Barracks at Blagovestchensk, 526
—— at gold-mines, 223
—— at Kara, 452
—— at Nikolaefsk, 620
—— at Vladivostock, 718
Bath-room in Petersburg Model Prison, 66
Battle with cockroaches at Rasdolnoi, 702
Bays in the Primorsk, 562
Bazaar at Tomsk, 128
Bears, Mode of capturing, 209
—— venerated by Gilyaks, 606, 608
Beds in Siberia, 444
Beef at Irkutsk, Cheapness of, 265
Beggars at Krasnoiarsk, 228
—— at Tomsk, 228
Beljetchenko steamer, 117
—— Card-playing on the, 119
Bell exiled, 113
Bells of Russian churches, 332
Benediction of water, 169
Betrothal of Gilyaks, 601
Beverages of gold-miners, 224
Bezpopoftschins, Sects of, 759
Bible distribution on the Shilka, 539
—— possessed by priest at Krasnorechinska, 195
—— Russian Church and the, 181
—— Society:
Finnish grant of, 3
Irkutsk, Contemplated depôt at, 268
Kansk, 238
Roumanian grant, 3
Russian Scriptures printed for the, 8
Tomsk, Depôt at, 237
Bibliography of Siberia, 772
Bigotry of the Russian Church, 756
Biisk, Prison at, 133
Billings, Joseph, on Kamchatka, 631
Birching of prisoners, 89
—— Effects of, 473
Birch-trees on the Upper Amur, 515
Birds known to the Goldi, 600
—— of prey in Western Siberia, 189

Birds of the Yeneseisk province, 202
—— on Mongolian frontier, 357
—— on the Yenesei, Seebohm on, 763
Bishop, Consecration of a, 167
"Black" Nihilists, 34
Blagovestchensk, Cossack barracks at, 526
—— Flood at, 532
—— Foundation of, 500
—— Government establishments at, 526
—— Meaning of, 518
—— Merchants' stores at, 526
—— Meteorology of, 532
—— Missionary effort at, 518-19
—— Prison at, 525
—— Provisions at, Cost of, 527
—— Seminary for priests, 523
—— Students' education at, 523
—— Temperature of, 532
Board at post-houses, 141
Boats of the Goldi, 600
—— of the Manchu, 554-5
—— on the Lena, 285
Bogotol, Hospitality at, 194
Bolan, Mission school at, 604
Books at Irkutsk hospital, 276
—— Church, Revision of, 758
—— English, on Siberia, at Nikolaefsk, 629
—— for prison, 113
—— for prisoners at Irkutsk, 277
—— for the Trans-Baikal, 400
Letters concerning them, 401, 402
—— left with Gen. Ismailoff, 279
—— left with M. Lochwitzky, 279
—— for Alexandreffsky prison, 249
—— on Siberian prisoners, 379
—— Stock of, at Irkutsk, 280
Boot-making in prison, 247
Bothnian tour of Author, 540
Boundaries of Siberia, 49
—— of the Yeneseisk province, 199
Boundary of Russia and China, 323
Bows and arrows of the Ostjaks, 126
Boys' Industrial School at Vladivostock, 723
Branding prisoners abolished, 464
Bread, A substitute for, 642
—— Black, 141
Bribery by prisoners, 39
Bribery in trading transactions, 626
—— of guards by exiles, 39
—— of prison officials, 277
Brickmaking at Alexandreffsky, 247
British Workman in Russ, 7
Brunière, De la, missionary to Gilyaks, 612
Buddhist praying machine, 373
—— temple at Maimatchin, 344
Building a Siberian prison, 70
Buildings at Nikolaefsk, 625
Bulgarian Antiquities, Museum of, 13
Bureya district, Climate of, 542
—— mountains, Coal in the, 536
—— Scenery of, 537
Burial service of the Russian Church, 152
Buriats as drivers, 356-69
—— attitude towards exiles, 40
—— Conversion of, 374
—— feast of boiled mutton, 367
—— Fuel of, 368
—— habitations, 366
—— lamasery, or monastery, 335
—— method of salutation, 356
—— Missions to the, 357
Atkinson, Mr., on, 375
Cochrane, J. D., on, 375
Hill, Mr. S. S., on, 375
—— *Obos* of the, 405
—— Occupation of the, 369
—— opposition to invasion, 281
—— Physiognomy of, 364
—— Population of, 369
—— Possessions of the, 369
—— Religion of the, 370
—— Respect of, for Lamas, 371
—— treatment of escaped convicts, 40
—— Women's head-dresses, 365
"Buried Alive," by Goryantchikoff, on flogging, 654
—— on political prisoners, 384
Burney, Capt., on Kamchatka, 631
Burning of Irkutsk, 253
Bush, Mr., on Kamchatka, 633
Busse, General, Military Governor of the Amur, 500
Butter, Siberian, 188
—— Cost of, 317
Butterflies on the Alexandreffsky route, 240

CAMELS, Caravan route by, 351

Camels on Mongolian frontier, 357
Candidates for holy orders, Lack of, 171
Candle worship, 164
Caravan transport in Siberia, 354
Card-playing at Sakhalin, 656
—— by prisoners, 388
—— on the *Beljetchenko*, 119
—— on the Ussuri, 680
Carriage, Siberian, Cost of, 105, 746
Carts of the Manchu, 552
Catechist at Krasnoiarsk, 229
Cathedral at Kiakhta, 332
—— at Krasnoiarsk, 230
—— singing, 165
Cats, Price of, on Lower Amur, 600
Cattle in the Primorsk, 697
—— of the Manchu, 550
—— of the Yeneseisk province, 204
Cattley, Oswald, Loan of tarantass by, 27
—— on Obi trade, 27, 108, 761
Cavalry, Mongolian, in Kiakhta, 326
Cells at Blagovestchensk, 525
—— Dark, in Model Prison at Petersburg, 66
—— in Kara prison, 469
—— Solitary, 88
Cemeteries, Russian, 152
Cemetery at Barnaul, 152
Certificate of baptism, 709
Chains worn by prisoners, 154
Changing horses, 140
Chapel in Model Prison at Petersburg, 67
—— Lutheran, at Krasnoiarsk, 228
Chaplain for prisoners at Kara, 458
Chaplains of prisons, 663
Character of Koriaks, 640
Cheese-making, 188
Cheliuskin, Cape, Discovery of, 767
—— rounded by Nordenskjold, 292
Chernigovsky's expedition on the Amur, 492
Children of prisoners' asylum, 77
China, Boundary of, 323
—— Difficulties with, on Amur question, 501
—— Ethnography of empire, 206
—— High road to, 52
—— North-east passage to, attempted, 766
—— Population of, 206
China, Travellers on Mongolian route, 349
—— Treaties with Russia, 323
Chinese amusement, 342
—— appealed to by Amur tribes, 493
—— chopsticks, 347
—— clerks at Maimatchin, 340
—— demand for silver money, 715
—— dinner at Maimatchin, 345
—— exports into Russia, 341
—— in the Primorsk, Number of, 714
—— junks and houses at Vladivostock, 716
—— merchant at Maimatchin, 339
—— method of salutation, 356
—— *samovar*, 347
—— use of tea, 340
Chita, 70
—— Cucumbers at, 426
—— Flora in neighbourhood of, 404
—— *Plète* at, 94
—— Population of, 361
—— Prison at, 362
The "Black-cart" at, 362
—— Situation of, 361
Baron R[osen] on, 425
Christian Goldi, Photograph of, 674
Christmas presents to scholars at Vladivostock, 723
Chukchee coast, Fauna of, 643
Vega frozen in on the, 646
—— country, Flora of, 644
—— language, 647
Chukchees, Marriage customs of the, 643
—— Number of the, 639
Church affairs in province of Irkutsk, 273
—— at Kozloffskaya, 670
—— at Nikolaefsk, 624
—— Baptism, 167
Certificate of, 709
—— Bells, 332
—— Bigotry, 756
—— Bishop, Consecration of a, 167
—— books, Revision of, 758
—— Candles, 164
—— Cathedrals, 165
—— Clergy, 163
—— committees, 163
—— Confession, contrition, and communion, 169, 237

Church "Consistory," 164
—— Consolidation of the, 751
—— Dioceses, 163
—— "Directory," 163
—— discipline, 175
—— Doctrines of Russian, Roman, and English, 754
—— Eastern, Greek, and Russian, Distinction between, 162
—— Fanatical sects, 758
—— Fasting, 177
—— Foundation of, 751
—— History of the, 751
—— Holy oil, 169
—— Images, Worship of, 164
—— Journal of priest, 174
—— knowledge, Sources of, 161
—— Liturgy, 166
—— Lutheran, at Vladivostock, 717
—— Metropolitans, 176
—— Missionary collections, 520
—— Monasteries, 163-77
Clergy of, 176
—— music, 165
—— Nunneries, 179
—— Obligation of clergy to be married, 524
—— Orders, 166
—— Ordinations, 166
—— Parish priest: Position, pay, and tithes of, 172-3
—— Parishioners, 163
—— Penance, Sacrament of, 169
—— Picture worship, 164
—— Priests, Social disadvantages of, 173
—— processions, 174
—— Protestants in Siberia, Number of, 726
—— Reformation period, 753
—— Registers, 174
—— Relation of Greek to English, 181
—— Ritual, 166
—— Rural deaneries, 163
—— schisms, 756
—— Seminary for priests at Blagovestchensk, 523
—— Sermons, 460, 671
Number of, yearly, in Petersburg, 460
—— Services:
Burial, 152
Church Services:
Commemoration of the Virgin, 165.
Marriage, 168
—— Transition period, 752
—— Unction, Sacrament of, 169
—— Vestments, 163-4
Churches at Irkutsk, 265
Churching of women, 167
Cigarette-making at Alexandreffsky, 247
City on fire, 253
Civic arrangements in Russian towns, 716
Classification of exiles, 29, 33
—— of prisoners, 72, 450
Clergy of Siberian Church, 163
—— Fasting of, 177
—— Monastic, 176
Clerical vestments, 164
Cliffs on the Upper Amur, 516
—— on the Shilka River, 483
Climate of the Middle Amur, 532
—— of Bureya district, 542
—— of Kamchatka, 635
—— of Kansk, 240
—— of Lake Khanka district, 690
—— of Nertchinsk, 426
Atkinson, Mr., on, 425
—— of Nikolaefsk, 563
—— of the Lower Primorsk, 564
—— of Tomsk, 127-46
Clothing, 50
—— of Cossacks, 683
—— of prisoners, 80, 455
—— of seamen, 737
Club, Officers', at Nikolaefsk, 624
Coal at Dui, 81
—— at Sakhalin, 651
—— at Vladivostock, 678
—— in Bureya mountains, 536
Coat of fish-skin, 597
Cochrane, Capt., on Buriat missions, 375
—— Travels of, 282-5
—— Visit of, to Nertchinsk, 412
Cockroaches at Rasdolnoi, Battle with, 702
Coldest town—Yakutsk, 296
Collections at church doors for missions, 520
Collins, Mr., Descent of, in a silver-mine, 412
—— on the Amur, 499

Collins, Visit of, to Nertchinsk, 417
—— Voyage of, down the Shilka, 441
Colonies of Finns in Siberia, 131
Colonists, Exile, in Eastern Siberia, Number of, 451
—— "Little" Russians as, 32
—— on the Amur, 502
—— Penal, at Vladivostock, 726
—— Privileges granted to, 698
Colonization of the Lower Amur, 500
Commandant of Kara Prison: Government allowance to, 474
—— Hospitality of, 480
—— Namesday of, 479
—— Salary of, 461
Commemorations of the Virgin, 165
Commerce of Tiumen, 27
—— of Vladivostock, 716
—— Russo-Chinese: Kiakhta as a centre of, 324
—— The Obi as an outlet for, 51
Commercial school at Tiumen, 28
Committees in connection with prisons, 77
Communication by Siberian roads, 51
Confession and Communion, 237
—— Priestly, 169, 237
Confinement, Solitary, 88
Conquests of Russia on the Amur, 489
—— of Yermak, 57
Conscription, Russian, Method of, 736
Consecration of a Bishop, 167
Consolidation of the Russian Church, 751
Contemporary Review on political exiles, 413
Contraband articles in Model Prison of Petersburg, 67
Conversion of a learned lama, 521
—— of Buriats, 374
—— of the Yakútes, Tzar's ukase for the, 305
Convict clothing and chains, 155
—— exiles as servants, 730
Convicts at Alexandreffsky, Number of, 70
—— at Kara, Freedom of, 448
Number of, 445
—— in the mines, 462
—— labour compared with English, 662
—— opinions of Tobolsk prison, 115
Convicts, Runaway, hunted down by Buriats, 40
Cooking not usually needed, 512
—— "Rob Roy" cuisine, 145
Copper-mine, Descent of a, 21
—— at Nijni Tagilsk, 138
—— Malachite in, 21
Corean fugitives, 714
—— houses, 715
Corporal punishment, 423
Correspondence with exiles, 38
Cossacks, Barracks for, at Blagovestchensk, 526
—— Buriats' opposition to, 281
—— Clothing of, 683
—— combing goats, 26
—— fair on Shilka, 488
—— Food of, 682-3
—— Houses of, 683
—— in Lower Primorsk, 568
—— on the Ussuri, 681
—— Pay of, 682
—— Summer barracks at Kara, 452
Cost of carriage in Siberia, 105, 746
—— of salmon at Nikolaefsk, 628
—— of Siberian butter, 317
Costume of a Tunguse *Shaman*, 158
—— of the Kirghese, 158
—— of the Manchu, 551
—— The *Mala-Russia*, 250
Cottin, Madame de, "Story of Elizabeth," 379-83
Country of the Daurians, 548
—— of the Samoyedes, 98
—— round Albazin, 515
Courier travelling, 134
Courts of law, Russian and Siberian, 73
Cows near Tomsk, 188
Creed, Religious, of exiles, 29
Crime attributed to drunkenness, 29
—— in district of Kansk, 235-6
Crimean war, Influence of the, 497
Crimes of exiles, 34
—— of prisoners at Kara, 448
Criminals at Nikolaefsk, Birching of, 89
—— Desperate, 655
—— Statistics of, 72
—— Zavod work for, 82
Cucumbers at Chita, 426
—— on the Amur, 588
Curiosity of fellow-passengers concerning Scripture distribution, 539

Custom at leave-taking, 353
—— of addressing friends, 406, 620
Customs of Goldi, 672
—— Trade, 627

Daily Telegraph on number of political prisoners, 396
Dancing at Mikhailofsky, 622
Daurians, Agriculture of the, 549
—— Country of the, 548
—— Howorth, Mr., on the, 548
—— Religion of the, 549
Dead, Gilyaks' treatment of the, 611
—— Manchurian treatment of, 554
Deaneries, Rural, of the Russian Church, 163
Decembrists, Sympathy of Russians for, 32, 378
Decocq's hotel at Irkutsk, 254
Deer in Southern Manchuria, 696
—— of the Koriaks, 642
De la Brunière, Missionary to Gilyaks, 612
De Lagny on Siberian political prisoners, 380
—— on the *knout*, 380
De Lesseps on Kamchatka, 631
—— travels in Siberia, 282
Demidoff hospital at Tagil, 24
—— mines at Nijni Tagilsk, 21
—— works at ditto, 21
Demidoffs, Riches of the, 23
Deportation of exiles, Localities, 37
—— Modern plan of, 42
—— of political prisoners to the Trans-Baikal, 377
—— of vagrants to Sakhalin, 37
Depôt for sale of Scriptures at Krasnoiarsk, 232
Description of a Siberian village, 190
—— of the *plète*, 90, 92
Deserted village at Pashkova, 671
Desperate criminals, 655
Destination of exiles, Walking to, 44
Destruction of property by fire at Irkutsk, 263
De Vries, Capt., of Vladivostock, 712
Dialect of Koriaks, 640
Diet of prisoners at Kara, 453
Dinner among Chinese at Maimatchin, 345
—— at a Siberian hotel, 431
—— at Nikolaefsk, 619
Diocese of Irkutsk, Number of churches, 274
Dioceses of Siberian Church, 163
Director of Alexandreffsky prison, 244
—— Pay of, at Irkutsk prison, 277
Directories of Siberian Church, 163
Discipline, Ecclesiastical, 175
Discoveries of Nordenskjold and Wiggins, 761
Discovery of the Shilka River, 492
Dissent, Exiled for, 34
—— *Scoptsi* village of, 205
Dissenters, Efforts to reclaim, 518
—— Number of, 519-27
Distance travelled by Author, 770
Distress at Irkutsk after fire, 269
Distribution of exiles, 43
—— of Scriptures and tracts, 3, 7, 8, 11, 121-9, 183-6, 401, 538, 665-6, 703-33
Djiguitt, Divine Service on board the, 740
—— in a squall, 742
—— Inspection of the, 741
—— Officers of the, 738
—— Prison on board the, 739
—— Speed of the, 735
Dobell, Peter, Travels of, 283
Doctors in Siberian towns, 619
Doctrine of the *Scoptsi*, 205
Doctrines of the Russian, Roman, and English Churches, 754
Dogs of Kamchatka, 636
—— used by Gilyaks and Goldi, 600
—— Yakute, Breeding of, 304
Dostoyeffsky's "Buried Alive" and political prisoners, 384
Douga, Description of the, 137
Dress of Gilyaks in winter, 597
—— of penal colonists at Vladivostock, 728
—— of the Samoyedes, 99
—— of the Yakutes, 302
—— The *Mala-Russia*, 250
Drink, Aborigines' love of, 102
—— and its follies, 225
—— Madness through, 229
—— Murder under influence of, 155
Drivers, Buriats as, 356
Drunkards exiled by Russian villagers, 34
Drunkenness: Alcohol and *vodka*, 544

Drunkenness, Arrests for, Number of, 545
—— as a cause of crime, 29
—— at social leave-taking, 118
—— Comparison of Russian with English, 544
—— Effect on trade, 627-30
—— of gold-miners, 225
—— of *yemstchik*, 252
—— on board the *Zeya*, 506
Dubininskaya, Arrival at, 692
Dui coal-mines, 81
—— *Plète* in prison at, 653
—— Prison food at, 656
Officers at, 660
—— Prisons at, 652
—— Scriptures for, 660
Dukhobortsi, Sect of, 760
Dutch explorers, 766
Duty of Priests, Treatise on the, 181-2
Dwellings of the Manchu, 549
—— Yakutes', 300

EAGLES tamed by Kirghese, 189
Earthquakes in Kamchatka, 635
Eastern and Western Siberia, 51, 188
—— Greek, and Russian Church, Distinction between, 162
Ecclesiastical discipline, 175
Echo on exiles' march, 415
Eden, C. H., on quicksilver, 410
Education in Russia, Cost of, 719
Subjects of study, 720
—— in Western Siberia, 150
—— of exiles, 32
—— clerical, at Blagovestchensk, 523
Ekaterineburg, Englishmen at, 25
—— Prisoners, Money allowance to, 78
—— Railway to, 17
—— Town of, 25
—— Transport of exiles to, 43
Ekaterino-Nicolsk, Distribution of Scriptures at, 538
—— Garden at, 537
"Elizabeth, Story of," by Madame de Cottin, 379-83
Elk, Hunting of the, 209
Emeralds of the Odon Tchelon mountain, 407
Emery, Mr. Enoch, 614
Employment of prisoners in shipyards, 420
Engineering firm at Tiumen, 27
Engines, Fire, 573
English and Russian drunkenness compared, 544
—— books at Nikolaefsk, 629
—— graves at Selenginsk, 319
—— mission to Buriats, Story of the, 318
—— newspaper accounts of exiles' passage, 45
—— suspected at Petersburg, 329
Englishmen at Ekaterineburg, 25
"Equipage," Description of an, 439
Erdmann, Admiral, Governor of Vladivostock, 717
—— Madame, Introduction to, 717
Erman on the valley of the Lena, 284
Escape of prisoners at Kara, 465
Etape prisons, 44, 69, 616
—— Number of soldiers employed for, 667
Ethnography in Kasan government, 14
—— of Alexandreffsky prisoners, 246
—— of Russia in Asia, 19, 52
—— of Russian and Chinese empires, 206
—— of Tobolsk province, 98
Europe and Asia, Frontier of, 18
—— Weather in crossing, 24
Exchange of money, 731
Exchanging names and punishments, 75
Excitement at Petersburg, 328
Exile convict servants, 730
—— life, Author's farewell and impressions of, 726-8
Exiles accompanied by wives, 36
—— as colonists, 451
—— bribing guards, 39
—— Buriats' attitude towards, 40
—— Classification of, 29, 33
—— Correspondence, 38
—— Crimes of, 33
—— Deportation, Localities of, 37
Modern plan of, 42
—— destination, Walking to, 44
—— Distribution of, 43
—— Education of, 32
—— Etape prisons for, 44
—— for dissent, 34
—— Fund for, at Moscow, 43
—— Gilyaks' attitude towards, 40

Exiles in Kansk, 32
—— Lemke on treatment of, 413
—— March of, *Echo* on, 415
—— Marriage rites of, 35
—— Number of, 32, 39
—— on the march, 48
—— Passage of, English newspapers on, 45
—— passing through Tiumen, 395
—— *Perisylnie* prisons for, 44
—— Political :
Contemporary Review on, 413
Whyte, Mr., on number of, 394
—— Presents to, 42
—— Proportion condemned to hard labour, 37
—— *Raskolnik*, 32
—— receiving the *plète*, 35
—— Réclus, M., on the first, 31
—— Release, A, 38
—— Religious creed of, 29
—— Religious scruples respected, 460
—— Returned, Number of, 729
—— route, *viâ* Suez Canal, 44
—— Runaways, Capture of, 40
—— Sentences of, 35
—— Social ties of, 41
—— Transport by barge and rail, 29, 42, 43
Expedition of Chernigovsky on the Amur, 492
—— of Khabarof, 490
—— of Pashkof, 492
—— of Poyarkof, 490
—— of Stepanof, 491
Explorations, Early, by sea and land, 766
—— of Nordenskjold, 51, 107, 292
—— Scientific, in Siberia, 768
Export of furs from Siberia, 295
Exports at Vladivostock, 714
—— Chinese, into Russia, 341
—— from Siberia, 341
—— Probable future of, 105
Extravagance of gold-miners, 225

"FABRIC" work, 82
Fair at Nijni Novgorod, 12
—— on the River Bankova, 488
Fanatical sects, 758
Fasting of clergy, 177
Fasting of prisoners, 79
Fauna of Chukchee coast, 643
—— of Sakhalin, 649
—— of the Primorsk, 565
Feast of mutton by Buriats, 367
Female prisoners at Kara, 467-8
Ferry, A Siberian, 139
Fertility of Tobolsk, 104
Finland : Grant of Bible Society, 3
—— Prisons in, 63
Finnish colonies, Transport of prisoners to, 131
—— pamphlets, Gift of, 53
Finns at Ruschkova, 5
Finsch, Dr., in Akmolinsk, 159
—— in Semipolatinsk, 159
Fire at Irkutsk, 253
—— at Perm, 16
—— engines, 573
Fires due to incendiarism, 269
Fish eaten by Gilyaks, 596
—— Gilyak mode of catching, 598
—— in Lake Khanka, 679
—— in Primorsk, Price of, 569
—— in River Sungacha, 679
—— in River Ussuri, 679
—— in the Anadir, 640
—— Manchurian method of catching, 555
—— of Lake Baikal, 312
—— of the Yenesei, 201
—— on the Lower Amur, 581
—— pie a Siberian luxury, 432
—— skin coat, 597
—— trade at Nikolaefsk, 628
Fisheries of the Obi and Taz, 123
Fishing in Manchuria, Method of, 555
—— boat of the Manchu, 555
Fleas and vermin in prisons, 363
Fleet, Siberian :
Officers, Pay of, 734
Sailors, Clothing of, 736
—— Food of, 736
—— Pay of, 734
—— Religious professions of, 741
Flight of inhabitants from Irkutsk fire, 257
Flogging prisoners, Andreoli on, 93
—— Goryantchikoff on, 654
Flood at Blagovestchensk, 532
Flooding of the Yenesei, 198, 219
Flora at Kansk, 239

Flora between Tomsk and Barnaul, 149
—— in Kamchatka, 636
—— in neighbourhood of Chita, 404
—— in private houses, 231
—— of Chukchee country, 644
—— of Lake Baikal vicinity, 315
—— of North-east Siberia, 645
—— of Sakhalin, 649
—— of the Primorsk, 565
—— of the Upper Amur, 517
—— of the Yenesei, 219
Flour sold at Nikolaefsk, 569
Flowers at Khabarofka, 579
Food of Cossacks, 682-3
—— of Gilyaks, 596
—— of miners, 419
—— of natives at Sakhalin, 650
—— of prisoners, 78, 276, 453, 656
Cost of, 80
Difficulty in procuring, 659
Horseflesh reported as, 746
—— of sailors in Siberian fleet, 736
Forçats, Classification of, 449
—— Escape of, 466
—— Meaning of, 449
Forests near Krasnoiarsk, 220
—— of Yeneseisk, 200
Formation of the Shilka River, 482
Fort of Anadirsk, 640
Fortress of Sibir, 110
Fortunes of gold-miners, 226
Foundation of Krasnoiarsk, 112
—— of Mariinsk, 585
—— of Nikolaefsk, 615
—— of Russian Church, 751
—— of town of Yakutsk, 112, 281
Foxes, Hunting of, 209
Franklin, Sir John, and his "equipage," 439
Free colonists, Privileges of, 698
—— school at Vladivostock, 722
Freedom of convicts at Kara, 448
Frontier of Europe and Asia, 18
Frozen butchers' meat, 265
Fruit at Vladivostock, 690
—— in Kamchatka, 636
—— on Lower Amur, 583
—— Siberian, 149
Fuel, *Argols* used as, 368
Fugitives, Corean, 714
Furniture of Siberian prisons, 71
—— of Yakutes' houses, 301
Furs from Siberia, Export of, 295
GAMBLING, Effects on trade, 627
—— of Russians, 119
Game, Abundance of, 696
Garden at Ekaterino-Nicolsk, 537
—— at Vladivostock, 717
Gardening by prisoners, 248
Gaulois on number of political prisoners, 396
Gems in neighbourhood of Nertchinsk, 407
—— in Trans-Baikal province, 378
General Korsakoff, On board the, 314
"Geographie Universelle" of M. Réclus, 631
Geological Museum at Barnaul, 157
Gilyaks, Amusements of the, 602
—— attitude towards exiles, 40
—— Bears, Veneration for, 606, 608
—— Betrothal of, 601
—— Children of, 595
—— Country, Extent of, 594
—— Dead, Treatment of the, 611
—— Dogs used by, 600
—— dress in winter, 597
—— Etymology, 593
—— Family of, 603
—— Fish eaten by, 596
—— Fishing, 598
—— Food of, 596
—— Foreign relationships, 602
—— habitations on Amur, 591
—— Habits of, 599
—— Hotsprings at village of, 588
—— Idols of, 606
—— Mission-schools for, 604
—— Missionaries to the, 612-66
—— Occupation of, 598
—— Polygamy among, 601
—— Population, 594
—— Religion of, 609
—— Shamanism, 609
—— Stature of, 594
—— Superstitions of, 605
—— Tigers, Fear of, 606
—— Villages of the, 593
—— Winter habitations of, 595
—— Women, Estimation of, 601
Ginseng of Manchuria, 691
—— on Upper Ussuri, Plantations of, 566
Girls' Institute at Vladivostock, 721

Glaisher, Mr., Introductions from, 10
—— Meteorological instruments, 147
Gluttony of the Yakutes, 301, 307
Goats of the Kirghese, 26
Goitre, Siberians afflicted with, 285
Gold deposits, 213
—— digging, 214
—— found in the Trans-Baikal province, 378, 428
—— in the Primorsk, 583
—— in the Za-Baikal, 462
—— in Yakutsk, 295
—— mine, The "Archangel Gabriel," 218
—— miners at Irkutsk, 264
Drunkenness of, 225
Extravagance of, 225
—— mines, 223
Beverages for workmen, 224
Subterranean work of, 216
Wages at, 223
(*See also* "Mines")
—— mining, Season for, 462
—— Prospecting party, A, 213
—— Russian, 211
—— seekers, 212-13
—— washing, 477, 583
Goldi, Appearance of, 583
—— Baptisms of, 674
—— Birds known to, 600
—— boats, 600
—— Customs of, 672
—— Dogs, Use of, 600
—— language, 604
—— lexicon, 604
—— Missionary to, 671
—— Number of, 672
—— Photograph of, 674
—— Physiognomy of, 672
—— Polygamy among, 601
—— weddings, 601, 674
—— wives, Price of, 601, 674
—— women, Estimation of, 601
Gordon, Peter, Travels of, 284
Goryantchikoff on flogging of prisoners, 654
Gospels translated by Archdeacon of Khabarofka, 673
Gostinnoi Dvor, or Bazaar, at Tomsk, 128
Government allowance to Commandant of Kara, 474
Government buildings at Aigun, 557
—— establishments at Blagovestchensk, 526
—— grant to Vladivostock Girls' Institute, 721
"Governments" in Siberia, 50
Governor of a province, 51
—— of Tobolsk, 113
Governors-General, 51
—— Houses of, 192
Granite rocks on the Shilka, 487
Graves of English missionaries at Selenginsk, 319
Greek Church, Penance in, 169
Relation of, to English Church, 181
—— Russian, and Eastern Church, Distinction between, 162
Guards bribed by exiles, 39

HABITATIONS of Buriats, 366
—— of Gilyaks, 591-5
—— of Koriaks, 641
Habits of Gilyaks, 599
Hakodate to Yokohama, 743
Harbour of Vladivostock, 712
Hard-labour prisons at Tobolsk, 70, 82
—— of exiles, Proportion condemned to, 37
Hardships of gold-miners, 216
—— of *isvostchiks*, 627
Harness of Siberian horses, 137
—— The *douga*, 137
Head-dress of Buriat women, 365
—— of Tatar women, 58
Hearthrugs for tarantass travelling, 136
Heathen rites at Kasan, 13
Hellman, Miss Alba, 5
—— Gift of pamphlets by, 53
Helsingfors Dagblad, Author's Bothnian tour in the, 540
Herbaceous plants in the Lower Primorsk, 566
Hertzen, Alex., on political prisoners, 380
High school at Vladivostock, 719
Hill, Mr., on Buriat missions, 375
—— on the Lena, 284
—— Travels of, 230
History of the Amur, 489
—— of the Russian Church, 751
Holy Oil in Church service, 169

Holy Orders in the Russian Church, 166
Scarcity of candidates, 171
—— Unction, Office of the, 169-70
Honesty of the Ostjaks, 102
—— of the Samoyedes, 102
Horns of the reindeer, 209
Horse-eating by the Yakutes, 301
—— flesh reported as food for prisoners, 746
Horses, Changing of, 140
—— Harness of, 137
—— Oronchons', 508
—— Shoeing of, 232
—— Siberian, 123
—— Yakutes' treatment of, 308
Hospital at Alexandreffsky, 249
—— at Barnaul, 153
—— at gold-mine, 223
—— at Irkutsk, Books for, 276
—— at Kara, 471
—— at Tagil, 24
—— at Tomsk, 229
Hospitality at Bogotol, 194
—— at Krasnoiarsk, 232
—— in Siberia, 353, 431
—— of Commandant at Kara, 480
—— of Kamchatdales, 639
Hospitals at Nikolaefsk, 617
—— at Vladivostock, 617
—— Impressions of, 618
Hotel at Irkutsk, 254
—— at Krasnoiarsk, 228
—— Siberian, Method of dining, 431
Hotsprings at Gilyak village, 588
Hours of labour at a gold-mine, 224
Houses at Kozloffskaya, 671
—— at Krasnoiarsk, 230
—— at Maimatchin, 339
—— Flora in, 231
—— of Buriats, 366
—— of Chinese, 716
—— of Coreans, 715
—— of Cossacks, 683
—— of Gilyaks, 595
—— of Governors-General, 192
—— of Kamchatdales, 639
—— of Manchu, 550
—— of Siberians, 190
—— of Yakutes, 301
Howard Association Report, Mistake of Mr. Tallack in, 745
Howorth, Mr. on Daurians, 548
Howorth, Mr., on the Manchu, 548
—— on the Samoyedes, 98
Hunting by the Oronchons, 509
—— Eagles trained for, 189
—— Methods of, 207
—— of foxes, 209
—— the elk, 209

IDOLS, Gilyak, 606
—— of the Yurak-Samoyedes, 103
—— Tchuvash and Tcherimisi, 14
Ignatoff, Mr., at Tiumen, 29
—— Influence of, 118-60
Ikons, Worship of, 331
Image-worship, 164
Immorality, Effects on trade, 627
Importation of tea into Russia, 325
Imports at Vladivostock, 714
—— of the Primorsk, 570
Impressions of exile life, 726-8
Incendiarism in Siberia, 269
Income of a *tayoshnik*, 217
Indictment of a prisoner, 75
Industrial school for boys at Vladivostock, 723
Influence of the Anglo-Chinese war, 501
—— of the Crimean war, 497
Ingoda, Collins's descent, 482
—— Gold-mines on the, 212
Ingoda steamer on the Amur, 510
Inhabitants of the Primorsk, 567
—— of Vladivostock, 713
Inmates of Irkutsk prison, 275
Innokente, St., Shrine of, 274
Inquisitiveness about Author, 249
Inspection of the *Djiguitt*, 741
Inspector of schools of Eastern Siberia, 11
Institute for girls, 721
Institution for prisoners' children at Tomsk, 130
Institutions for training schoolmasters, 278
Instruments, Meteorological, 147
Insubordination of prisoners, 393
Interpreter a necessity, 4
—— Joined by, 13
—— Parting with, 439
Introductions, Numbers of, 11
Invasion of Cossacks opposed by Buriats, 281
Irkutsk, Alcoholic liquors at, 265

Irkutsk, Archbishop of, Interview sought, 274
—— Bible Society at, 268
—— Books at, Stock of, 280
—— Churches, 265
—— Decocq's hotel at, 254
—— Deputy-Governor of, 267
—— Diocese, Churches of, 274
—— Distress, Relief of, 269
—— on fire, 253
Firemen's arrangements, 259
Flight of inhabitants, 257
Museum burnt, 268
Origin, Supposed, 269
Procession at, 260
Property destroyed, 263
Provisions, Procuring, after the fire, 309
Ruins of the city, 267
Salvage, Articles of, 258
Spectacle of burning city, 260-62
—— Founding of city, 264
—— Gold-miners, Resort for, 264
—— hospital, 268
—— Larsen, Mr., Introduction to, 265
—— Limit (Proposed) of travel, 253
—— Markets at, 265
—— prison :
Director, Pay of, 277
Food for hospital and, 276
Inmates of, 275
Library of, 77
—— prisoners :
Books for, 276-7
Money allowed to, 276
—— Provisions at, 265
—— Roads of, 139
—— School at, 278
—— Shrine of St. Innokente, 274
—— *Usine* at, 268
—— Winter at, 264
Iron in the valley of the Tom, 104
—— ore in Yenesei valley, 210
—— Smelting of, by Yakutes, 304
—— Tons cast in 1879, 156
—— works at Petrovsky Zavod, 355
Irons on prisoners, 85, 248, 421-63
Irtish, barge for prisoners, 120
—— Tract distribution on the, 121
Island of Sakhalin, 648
Ismailoff, Gen., Deputy-Governor of Irkutsk, 267
Ismailoff, Gen., Books left with, 279
Ispravniks, 29, 51, 195, 234
—— Pay of, 235
Isvostchiks, Hardships of, 627
Itinerary round the world, 770

JAIL at Tomsk, 128
Japan, Russian Missions in, 358
Jews at Kara, 455
—— at Tiumen, 460
Journal, A priest's, 174
Journey by rail from Petersburg to Moscow, 25
—— of an exile from Petersburg to Tobolsk, 42
—— of Author, Extent of, 770
Object of, 1
—— of 2,670 miles by rail, 24
—— to Alexandreffsky, 243
—— to Barnaul, 148
Journeys of previous travellers, 282
Juchova, Price of provisions at, 120
Judges of the Peace, 73
Junks of the Chinese, 716
Jury, Trial by, 73

KACHUGSKOE, Width of Lena at, 287
Kama River, 16
—— Steamers on the, 29
Kamchatdales, Appearance of, 637
—— Hospitality of, 639
—— Houses of, 639
—— Number of, 638
Kamchatka, Anadir River, 639
—— Area of, 634
—— Billings, Joseph, on, 631
—— Burney, Capt., on, 631
—— Bush, Mr., on, 633
—— Capital of, 638
—— Climate of, 635
—— De Lesseps on, 631
—— Dogs of, 636
—— Earthquakes in, 635
—— Flora of, 636
—— Fruit in, 636
—— Language of, 637
—— Locality of, 630
—— Sledging in, 637
—— Vegetables of, 645
—— Volcanoes in, 635
—— Wildfowl of, 637
Kamen Ruiboloff, Arrival at, 686
Kansk, Bible Society and, 238
—— Climate of, 240

Kansk, Crime in district of, 235-6
—— Exiles in, 32
—— Flora of, 239
—— Ispravnik of, 234
—— Priests at, 236
—— Prison at, 235
—— School at, 237
Kara, Barracks for Cossacks in summer, 452
—— Commandant, Government allowance to, 474
Hospitality of, 480
Namesday of, 479
Salary of, 461
—— Gold-washing at, 477
—— Hospitals at, 471
—— Murderers sent to, 37
—— Police-master at, 485
—— prison :
Cells in, 469
Diet, Scale of, 453
Photography by priest, 458
Plète at, 464
—— Prisoners at :
Aged, 470
Branding abolished, 464
Chaplain for, 458
Classification of, 450
Clothing of, 455
Crimes of, 448
Female, 467-8
Forçats classification, 449
—— Escape of, 466
Freedom of, 448
Irons on, 85, 463
Jewish, 455
Labour of, 463-4
Money from friends for, 83
Number of, 445
Politicals, 396
Provisions for, Cost of, 80
Scurvy among, 472
Sentences of, 450
Starostas among, 454
Work of, 446
—— Reputation of, unenviable, 473
—— Sea, Wiggins on the, 51, 768
—— Storehouse at, 455
Kasan, Founding of city, 57
—— government, Ethnography, 14
Tatars in the, 15
—— Heathen rites at, 13
—— Seminary at, 14
Kazakevich, Admiral, 500
Kaznakoff, Governor-General, 185
Khabarof's expedition on the Amur 490
Khabarofka, Author's dilemma, 574
—— Bank at, 578
—— Flowers at, 579
—— Military post at, 577
—— Musical instruments at, 552
—— Plusnin, merchant, 668
—— Post-office at, 578
—— Priest, Visit to, 673-7
—— Sable-skins at, Sale of, 577
—— Scriptures for, 667
—— Silver money at, 715
—— Temperature of, 579
—— Tichmeneff, General, and the port, 666
—— Tigers at, 689
—— Town, Situation of, 577
—— Trees at, 579
Khamenoff, General, and his foot man, 273
Khanka Lake, Area of, 685
—— Depth of, 685
—— District of, 689
Climate of, 690
Medicinal plants of, 691
—— Fish of, 679
—— Winds on, 686
Kiakhta cathedral, 332
—— Commerce of, 324
—— Mongolian cavalry in, 326
—— Prison at, 327
Kirghese, Atkinson on the, 159
—— Costumes of the, 158
—— Eagles used by the, 189
—— goats, 26
—— *Koumis*, a beverage of the, 159
Kizi Lake, Area of, 585
Knout abolished, 85, 91
—— "A German Nobleman" on the, 380
—— Andreoli, M., on the, 91
—— De Lagny on the, 380
Knox, Mr., on the Shilka, 441
"K., O." on number of exiles in 1876, 39
—— on "Russia and England," 748
Koecher, Mr., at Troitzkosavsk, 323
Koriaks, Bread of, 642
—— Character of, 640
—— Deer of the, 642
—— Dialect of the, 640
—— Habitations of the, 641

Koriaks, Language of the, 647
—— Number of the, 639
—— Sick and Aged, Treatment of, 643
—— Wandering, 642
Koumis, Love of Kirghese for, 159
Kozloffskaya, Church at, 670
—— Houses at, 671
—— Priest at, 670
Krasnoiarsk, Asylum at, 229
—— Beggars at, 228
—— Catechist at, 229
—— Cathedral at, 230
—— Forest near, 220
—— Founding of, 112
—— Gold-mining district of, 212
—— Hospitality at, 232
—— Hotel at, 228
—— Houses at, 230
—— Lutheran chapel at, 228
—— Peacock, Dr., of, 212
—— *Perisylnie* prison at, 229
—— Province of, Scriptures for, 233
—— "Rotten Row" of, 231
—— Scriptures at, Depôt for sale of, 232
—— Town of, 227
Krasnorechinska, Bible of priest at, 195
Kruskopf, M. Emile, 540
Kureika River, *Thames* laid up in the, 103
Kvas at Tomsk, 224

LABOUR, Hours of, in mines, 423
—— of convicts compared with English, 662
—— of prisoners, 80, 114, 463-4, 658
Lagny, De, on prisoners, 380
Lakes of Sakhalin, 649
—— of the Yeneseisk province, 200
Lama, Conversion of a, 521
Lamas, 348
—— forbidden to take life, 372
—— respected by Buriats, 371
Lamasery for Buriats, 335-71
Land at Barnaul, Cost of, 158
Landscape scenery of Siberia, 189
Language of Ainos, 650
—— of Chukchees, 647
—— of Goldi, 604
—— of Kamchatka, 637
—— of Koriaks, 647
—— of Manchu, 604
Language of Manyargs, 604
—— of Oronchons, 604
—— of Russians, 441
—— of Yakutes, 305
Larsen, Mr., Introduction to, 265
Latham on the Turkish race, 206
—— on population of Russia and China, 206
—— on "Races of Russian Empire," 57
Lavra monastery, 177-8
Law, Courts of, Russian and Siberian, 73
Lead, Scarcity of, 156
Leave-taking in Siberia, 353
Ledyard, John, Travels of, 283
Lemke on treatment of political exiles, 413
Lemmings, 644
Lena River, 19
—— as an outlet, 51
—— at Kachugskoe, Width of, 287
—— Boats on the, 285
—— Course of the, 286
—— Gold-mines, 211
—— Mammoth on the, 288
—— Merchandise on the, 285
—— Rhinoceros on the, 289
—— Travellers on the, 282
—— Tributaries of the, 288
Lena rounding Cape Cheliuskin, 292
Length of the Ussuri, 679
Lesseps, De, on Kamchatka, 631
—— Travels in Siberia, 282
Letters concerning Scripture distribution, 401-2
—— posted at Verchne-Udinsk, 354
Lexicon, Goldi, 604
Library at Irkutsk prison, 77
Lichatcheff's Museum of Bulgarian Antiquities, 13
"Little" Russians as colonists, 32
Littoral, Russian, Number of Chinese in, 714
Liturgy of Russian Church, 166
Location of prisons, 69
Lochwitzky, M., Books to, 279
—— Interview with, 275
Lodging at post-houses, 141
Loss of pocket-book, 692
Love of Russians for tea, 534

Lutheran chapel at Krasnoiarsk, 228
—— church at Vladivostock, 717

MACHINE for praying to Buddha, 373
Madhouses exceptional in Primorsk, 618
Madness from drink at Tomsk, 229
Maimatchin, Buddhist temple, 344
—— Chinese dinner at, 345
Merchant at, 339
—— Clerks at, 340
—— Houses at, 339
—— Plays at, Licentious, 344
—— Population of, 337
—— Streets of, 339
Mala-Russia costume, 250
Malachite in copper-mine, 21
Maladies of the Primorsk, 571
Mammalia inhabiting Siberia, 188
Mammoth remains, 288
Manchu boats, 554-5
—— carts, 552
—— Cattle of the, 550
—— Dwellings of the, 549-50
—— guests, Reception of, 553
—— Howorth, Mr., on the, 548
—— language, 604
—— people, 207
—— shop, 553
—— temples, 549
Manchuria, Boundary of, 547
—— Costume of the men, 551
—— Ginseng of, 691
—— Southern, Deer in, 696
—— Town of, 550
Manchurian archers, 556
—— dead, Treatment of the, 554
—— fishing, Method of, 555
—— sable-skins, 696
Manufactories at Telma, 242
—— in Siberia, 241
Manyargs, Language of the, 604
—— on Middle Amur, 507
Manzas, Robberies by, 715
Mariinsk, Foundation of, 585
—— Scripture distribution at, 665
Market at Troitzkosavsk, 327
Markets at Irkutsk, 265
Markova, Scenery at, 684
Marriage compulsory on clergy, 524
—— customs of Chukchees, 643
of the Ostjaks, 126
—— rites of exiles, 35
Marriage services, 168
Martyrdom of a missionary, 612
Materialism in Siberia, 705
Mayor of Tiumen, 27
Mayors of Siberian towns, 716
Meals on board a steamer, 513
Meat at Irkutsk, Cheapness of, 265
—— in the Middle Primorsk, Cost of, 568
Medicine, Author's stock of, 703
—— Plants for, 691
Medvedsky, School at, 150
Merchandise on the Lena, 285
Merchant, Chinese, 339
—— Russian, Specimen of a, 118
Merchants' stores at Blagovestchensk, 526
Metals in the Za-Baikal, 378
—— Precious, 153, 211
Meteorological instruments, 147
—— observatory at Nertchinsk, 425
Meteorology of Blagovestchensk, 532
Metropolitan of Moscow, 10
Mexican dollars at Khabarofka, 715
Mica and gold at Yakutsk, 295
Middle Primorsk, Area of, 568
Mikhailofsky, Dancing at, 622
Miles travelled by Author, 24, 770
Military exemptions, 720
—— hospitals at Nikolaefsk, 617
—— post at Khabarofka, 577
Mills at Vladivostock, 709
Mine, Copper, Descent of a, 21, 138
—— Magnetic iron, 22
Mineral springs on the Shilka, 488
Minerals in Altai mountains, 104
—— of the Yeneseisk province, 240
Miners, Gold :
Beverages of, 224
Drunkenness of, 225
Extravagance of, 225
Food of, 419
Wages of, 223
—— Testimonies from, 418
—— Wiggins, Captain, on, 225
Mines at Kara :
Female prisoners at, 467-8
Gold-washing at, 477
Work, Leaving off, 464
—— at Nertchinsk, 30
Inaccessibility of, 412
—— at Nijni Tagilsk, 20
—— Coal, at Vladivostock, 678

Mines, Gold, 211
"Archangel Gabriel," The, 218
Assaying, 223
Barracks at, 223
Districts of, 211-12
Hospital at, 223
Ingoda River, 212
Krasnoiarsk district, 212
Manager of, 226
Mohammedans at, 224
Nertcha River, 212
Olekma River, 212
Onon River, 212
Proprietors of, 226
Registration of, 217
Stables at, 223
Washing the gold, 222
Work, Hours of, 224
Working the metal, 221
—— in Altai district, 156
—— Manganese iron ore, 22
—— Private, 81
—— Punishment in the, 456
—— "Quicksilver," 411
Nertchinsk, Baron R[osen] on, 409
—— *Newcastle Daily Chronicle* on, 409
—— None heard of at, 409
Sheffield Daily Telegraph on, 747
—— Silver:
Altai region, 411
Collins's descent of, 412
Food at, 419
Formation of, 422
Labour, Hours of, 423
Rozguildieff, Cruelty of, 419
Women *not* working in, 417
—— Unhealthy fumes reported, 408
—— Work in, 82
Mining district, Principal centre of, 420
—— Gold, Season for, 462
Minister of the Interior, 9
"Miracle" at Troitzkosavsk, 330
Miraculous ikons, 331
Misadventures of tarantass travelling, 193
Misrepresentations of newspapers, 744-5
—— of various writers, 379-83, 413, 416-68, 744
Mission at Blagovestchensk, 518-19
—— converts, Charge of bribery, 676
—— Conversion of a lama, 521
—— English at Selenginsk, Story of the, 318-20
—— Offertories, 677
—— school at Bolan, 604
at Troitzka, 604
—— schools for Gilyaks, 604
—— to Ainos, 650
—— to Buriats, 357
Atkinson, Mr., on, 375
Hill, Mr., on, 375
—— to Gilyaks, 612-65
—— to Goldi, 671-4
—— to Japanese, 358
Missionaries, Pay of, 676
Missionary collections at church doors, 520
—— Martyrdom of a, 612
Missions: Results of Orthodox Missionary Society's work, 520
Model Prison at Petersburg, 64
Mohammedan mosques in Tatar villages, 59
—— workmen at gold-mines, 224
Molokans, 386
—— Doctrines of the, 528
—— Manner of living, 529
Monasteries, 163
—— Clergy of, 176
—— Three kinds of, 177.
Monastery for Buriat priests, 335
Monastic life at Yuryef, 178
Money allowance to prisoners at Irkutsk, 276
—— exchanged, 731
—— Prisoners', 78
—— received by prisoners from friends, 83
—— Silver, Chinese demand, 715
—— taken by Author, 578
—— Tea used as an equivalent for, 343
Mongolian camels, Caravan route by, 351
—— cavalry in Kiakhta, 326
—— frontier, Birds on, 357
Herds of camels on, 357
—— race, Dr. Latham on the, 206
—— route, Travellers on the, 349
—— salutation, Method of, 356
—— sheep, 552
Morality at Vladivostock, 723

Moscow fund for exiles, 43
—— Metropolitans of, 10, 586
—— Stay at, 12
Mosques, Mohammedan, in Tatar villages, 59
Mosquitoes on Sungacha, 684, 710
Mountain of Odon Tchelon, 407
—— Volcanic, 562
Mountains, Altai range of, 19
—— of Sakhalin, 649
—— Sikhota-Alin, 561, 669
—— Ural, 17
Muravieff, Count, Governor of Eastern Siberia, 496
Murder at Nikolaefsk, 655
—— Trial for, 74
—— under influence of drink, 155
Murderers sent to Kara, 37
Museum at Irkutsk destroyed, 268
—— of Bulgarian Antiquities, 13
—— of Geology at Barnaul, 157
Music, Church, 165
Musical instruments at Khabarofka, 552
Mutton, Russian dislike of, 628
—— the staple feast of Buriats, 367

NARIM, Population of, 123
Native belief in Shamanism, 405
Natives of Sakhalin, Food of, 650
Naval hospitals at Vladivostock, 617
Navigation, Early, of Siberia, 767
—— of Kara Sea by Wiggins, 768
Needs of the Russian Church, 182
Nertcha, Gold-mines on the, 212
Nertchinsk, Climate of, 425
Atkinson, Mr., on, 49
—— Cochrane's visit to, 412
—— Gems in neighbourhood, 407
—— Meteorological observatory at, 425
—— Mines, Mr. Collins's visit to, 412-17
Inaccessibility of, 412
—— Mining region of, 30
—— Prison at, 70
—— Prisoners' work at, 446
—— "Quicksilver"-mines: Baron R[osen] on, 409
None heard of at, 409
—— Silver-mines at, 411
—— Situation of, 430
—— Temperature of, 426
Nertchinsk, Tobacco cultivation at, 425
—— Treaties at, 324, 428
—— Vegetation at, 426
Newcastle Daily Chronicle on "Quicksilver"-mines, 409
Newspapers, English:
Account of exiles' passage in, 45
Misrepresentations of, 744
Nihilists, "Black," 34
—— Opinions concerning, 328
—— Transport, Mode of, 46
Nijni Novgorod, Fair at, 12
Steamboat to Perm, 16
Transport of exiles to, 43
—— Tagilsk, Copper-mine at, 138
Mines and works at, 20
—— Udinsk, Awaking a Russian at, 241
Prison at, 241
Nikolaefsk, Amusements at, 621
—— Andreyeff, M., of, 615
—— Author's religious services at, 725
—— Barracks at, 620
—— Birching criminals at, 89
—— Buildings at, 625
—— Church at, 624
—— Climate of, 563
—— Dinner at, 619
—— Emery, Mr. Enoch, of, 614
—— English books at, 629
—— Etape prison at, 616
—— Fish-trade of, 628
—— Flour sold at, 569
—— Foundation of, 615
—— Hospital at, 617
Government grant to, 617
Scriptures for, 617-66
—— Murder at, 655
—— Officers' club at, 624
—— *Plète* used at, 616
—— Police-station at, 624
—— Population of, 624
—— Prison, 615
—— Prisoners' food at, 79
Preference for, 277
—— Rise of, 498
—— Salmon at, Cost of, 628
—— Scripture distribution at, 666
—— Service at, 619
—— Town, Aspect of, 624
—— Trade of, 625

Nikolaefsk, Wages at, 590
Nikon, Patriarch, Revision of Church books by, 758
Ninagai tribe of Oronchons, 507
Nordenskjold, Discoveries of, 761
—— Explorations of, 51, 107, 292
North China Herald on Sakhalin prisoners, 652-8
North-east passage to China attempted, 766
Novgorod, Transport of exiles to, 43
Nunneries of the Siberian Church, 163-79

OBDORSK, School at, 103, 150
Obi as an outlet for commerce, 51
—— Cattley, O., on trade, 108, 761
—— Commercial value of the, 103
—— district, Tundras of the, 105
—— Fisheries of the, 123
—— gulf, Capt. Wiggins in the, 106
—— Length of the, 19
—— Ostjaks on the, 124
—— Steamers on the, 29
—— Temperature of the, 50
—— Tract distribution on the, 184
Object of Author's travel, 1
Oblasts of Siberia, 50
Obos of the Buriats, 405
Observance of the Sabbath by prisoners, 422-55
Observatory at Nertchinsk, 425
Occupation of Buriats, 369
—— of Gilyaks, 598
Odon Tchelon, Mountain of, 407
Offences by prisoners, 84
Offertories for Missions, 677
Office of the Holy Unction, 169-70
Officers' club at Nikolaefsk, 624
—— in the army, Pay of, 668
—— of the *Djiguitt*, 738
—— of Dui prison, 660
—— of Siberian fleet, Pay of, 734
Oil, Holy, in Church service, 169
Okhotsk, Sea of, Whales in the, 631
Olekma gold-mines, 212
—— Sables of, 295
Omsk, Prison at, 70
—— School at, 150
Onkelon people, The, 647
Onon River, 482
—— Gold-mines on the, 212
Onon steamboat, On board the, 669
Orders in Russian Church, 166
—— Lack of candidates for, 171
Ordinations in Russian Church, 166
Orenburg shawls, 26
—— Souvenirs from villages, 26
Oronchons as hunters, 509
—— Horses of, 508
—— in Sakhalin, 649
—— Language of the, 604
—— Population of tribes, 507
—— Tents of, 509
—— Women's hair, 508
Orthodox Missionary Society's work, 520
Ostjaks and Tunguses, Resemblance between, 207
—— as fishermen, 123
—— Bows and arrows of the, 126
—— Honesty of, 102
—— Marriage customs of the, 126
—— on the Obi, 124
—— Wiggins, Capt., and the, 103
—— *Yourts* of the, 124
Ostrog prison, An, 69
Outdoor amusements of the Russians, 621

PAMPHLETS for distribution, 53
"Paris, Member for," Author of, on Prisons, 380
—— on the mines, 413-62
—— on women miners, 468
Parishioners of the Russian Church, 163
Pashkof on the Amur, Expedition of, 492
Pashkova, Deserted village at, 671
Pay-day at a gold-mine, 225
—— of Cossacks, 682
Peace, Judges of the, 73
Peacock, Dr., on the current of the Yenesei, 197
—— visiting the gold-mine, 212
Peasantry, Russian—how they live, 698
Peasants on the River Zeya, 531
Penal colony at Kara, 70
—— at Vladivostock, 726
Penance in the Greek Church, 169
Pericladnoi travelling, 135
Perisylnie prison at Krasnoiarsk, 229
—— prisons, 44, 69
Perm, Fire at, 16

Perm to Ekaterineburg by rail, 17
—— Transport of exiles to, 43
Petchka at Alexandreffsky, 246
Petersburg, Arrival at, 9
—— English suspected at, 329
—— Excitement at, 328
—— Prisoners, Places of worship for, 65
—— Prisons of, 2
—— Sermons in, Number, 460
—— to Moscow by rail, 25
Petropavlovsk, 638
Petrovski, State prison at, 387
Photograph of Goldi Christians, 674
Photography at Alexandreffsky, 250
—— by Kara priest, 458
—— Russian, 434
Physiognomy of Buriats, 364
—— of Goldi, 672
Picture-worship, 164, 331
Pigs, Siberian, 188
Plantations of ginseng, 566
Plants, Herbaceous, in Lower Primorsk, 566
—— Medicinal, of Lake Khanka district, 691
Plays, at Maimatchin, 344
Pleasure-garden, Vladivostock, 717
Plète at Chita, 94
—— at Dui, 653
—— at Kara, 464
—— at Nikolaefsk, 616
—— Description of the, 90
—— Exiles receiving the, 35
—— used at three places only, 94
Plusnin, M., Business with, 668
Pocket-book, Loss of, 692
Podkeedovate, a Siberian custom, 353
Podorojna, A Crown, 143, 314
—— permit for posting, 134
Police-master at Kara, 485
—— of Siberian towns, 269
—— station at Nikolaefsk, 615-24
Political divisions in Siberia, 50
—— exiles :
Contemporary Review, 413
Lemke on treatment of, 413
Whyte on number of, 394
—— prisoners and Dostoyeffsky's "Buried Alive," 384
Author of "Member for Paris" on, 380
Polygamy among Gilyaks, 601
—— among Goldi, 601
Poor of Vladivostock, 717
—— house at Barnaul, 153
Popoftschins, Sect of, 759
Population of Aigun, 556
—— of Amur province, 543
—— of Upper Amur on Chinese bank, 506
—— of Barnaul, 152
—— of Buriats, 369
—— of China, 206
—— of Chita, 361
—— of Gilyak country, 594
—— of Maimatchin, 337
—— of Narim, 123
—— of Nikolaefsk, 624
—— of Oronchons, 507
—— of Russia, 206
—— of Russia in Asia, 20
—— of Sakhalin, 649
—— of Siberia, Russian and aboriginal, 52
—— of Sophiisk, 585
—— of Surgut, 123
—— of the *Za-Baikal* province, 400
—— of Tiumen, 27
—— of Tomsk, 127
—— of Verchne-Udinsk, 317
—— of Vladivostock, 712
—— of Yakutsk, 294
—— of Yeneseisk, 203
Possessions of Buriats, 369
Post, Russian and Chinese, 352
—— office at Khabarofka, 578
Postal communication, 52, 578
—— letter, A, 143
Posting—An "equipage," 439
—— "Book for complaints," 55
—— Distances between verst-posts, 436
—— in Siberia, 134
—— Official, 437
—— Post-houses, lodging at, 141
Tariff of, 141
—— Travelling, Manner of, 135
—— Wrong road, The, 144
Potatoes at Vladivostock, 690
Poyarkof's expedition on the Amur, 490
Prayers, A Tatar at, 61
Praying-machine, Buddhist, 373
Preaching, Lack of, 459
Precious stones in neighbourhood of Nertchinsk, 407
Presents to exiles, 42

Price of meals on a steamer, 513
—— of tea in Russia, 325
Priest at Khabarofka, Visit to, 673-7
—— at Kozloffskaya, 670
—— at Krasnorechinska, Bible of, 195
—— at Vladivostock, 730
—— Journal of a, 174
Priests at Kansk, 236
—— Seminary for training, 523
—— Social disadvantages of, 173
—— Stipend of, 172
—— Treatise on the Duty of, 181-2
Primorsk, or Sea-coast province, 561
—— Bays in the, 562
—— Cattle in the, 697
—— Divisions of province, 567
—— Fauna of the, 565
—— Fish in the, Price of, 569
—— Flora of the, 565
—— Gold-washing in the, 583
—— Health of inhabitants, 571
—— Imports of, 570
—— Inhabitants of the, 567
—— Lower :
Climate of, 564
Herbaceous plants in, 566
Populated by Ussuri Cossacks, 568
—— Madhouses exceptional in, 618
—— Maladies of the, 571
—— Middle :
Area of, 568
Meat, Cost of, 568
—— Rivers in the, 562
—— Schools, Number of, 723
—— Scriptures distributed in, 703
—— Soldiers in the, 667
—— Taxes in the, 571
—— Trees in the, 566
—— Tribes in the, Number of, 567
—— Vaccination in the, 571
—— Volcanic mountains in the, 562
Prison affairs at Tomsk, 128
—— Ameliorating influence in, 77
—— at Åbo, 63
—— at Alexandreffsky, 70, 245
Amusements at, 83
Books for, 249
Director of, 244
Hospital at, 248
—— at Biisk, 133
—— at Blagovestchensk, 525
Prison at Chita, 70
The "Black-cart" at, 362
—— at Dui, Officers of, 660
—— at Irkutsk :
Director's pay, 277
Inmates of, 275
Library, 77
—— at Kansk, 235
—— at Kara, 70
—— at Kiakhta, 327
—— at Krasnoiarsk, 229
—— at Nijni Udinsk, 241
—— at Nikolaefsk, 615-16
—— at Omsk, 70
—— at Petrovski, 389
—— at Sakhalin, 70
—— at Schlüsselburg, 68
—— at Troitzkosavsk, 327
—— at Verchne-Udinsk, 317
—— at Wiborg, 63
—— Books in, 113
—— chaplains, 663
—— on board the *Djiguitt*, 739
—— ethnography, 246
—— food compared with English prison diet, 79
—— furniture, 71
—— gardening, 248
—— labour compared with English, 662
—— officials, Bribery of, 277
—— *Ostrog*, An, 69
—— Petersburg Model, 64
Bath-room in, 66
Chapel in, 67
Contraband articles in, 67
Dark cells in, 66
—— Russian, Account of a, 380
—— school at Tomsk, 128
—— Smuggling spirits into, 67, 317
—— *Starostas*, 454
—— statistics, 69
—— storehouse at Kara, 455
—— Tragedy in, 154
—— *Travaux forcés*, 113
—— work :
Cigarette-paper making, 247
Lack of, 247
Prisoners, Aged, 470
—— Asylum for children of, 77
—— Authors on, 379-88-94
—— Bail, 74
—— Barge, the *Irtish*, 120
—— Birching of, 89, 473

Prisoners, Books for, 276-7
—— Branding of, 464
—— Bribery by, 39
—— buying Scriptures, 121
—— Card-playing among, 388, 656
—— cells, 469, 525
—— chains, 154
—— changing destinations and names, 75
—— Chaplain for, 458
—— children, School for, 278
—— Classification of, 72, 450
—— Clothing of, 80, 455, 728
—— complaint, Causes of, 393
—— Courts, Judges, and modes of trial, 73
—— Crimes of, 448
—— descriptions taken, 76
—— Escape of, 465
—— Fasting of, 79
—— Female, 467-8
—— Flogging of, 654
Goryantchikoff on, 654
—— Food, 77-9, 82, 276, 453, 656
Cost of, 80
Difficulty in procuring, 659
Horseflesh reported as, 746
—— *Forçats*, 449-66
—— in irons, 85, 248, 421-63
—— in Yakutsk government, 37
—— Insubordination of, 393
—— Labour of, 80, 114, 463-4, 658
—— Money allowance to, 276
Received from friends, 83
—— Number at Alexandreffsky, 246
At Kara, 445
At Sakhalin, 652-3
—— offences, 84
—— Polish, 122, 390
—— Political, 396
Baron R[osen] on, 387
Daily Telegraph on number of, 396
De Lagny on, 380
Deported to Trans-Baikal province, 377
Destination of, 37
Gaulois on number of, 396
Lemke on, 413
Living to be earned, 398
Lodging of, 395
Number of, 394
——, in 1879, 396
Position of, 398
Prisoners, Political, Present condition of, 390
Tiumen, Passing through, 395
—— preference for Nikolaefsk, 277
—— Punishment of, 84, 129, 421-3
—— Reformation doubtful, 664
—— Religious professions of, 72
—— Russian, Condition of, 64
English and, Comparison between numbers of, 478
—— Sabbath, Observance of, 455
—— Scurvy among, 472
—— seeing friends, 246
—— Sentences of, 450
—— shipyard at Sivakoff, 420
At Stretinsk, 420
—— *Starostas* among, 454
—— Statistics concerning, 72
—— Sundays, Refusal to work, 422
—— ticket of indictment, 75
—— to Finnish colonies, 131
—— Treatment of, 728
—— Wives of, 388
—— work, 82, 446
—— Worship, Places of, 65
—— writing to friends, 84, 236
Prisons, Atmosphere of, 381
—— Author's interest in, 1
Opinion on, 662
—— at Dui, 652
—— at Nertchinsk, 7
—— at Tobolsk, 70, 82
—— at Uleaborg, 41
—— Books for *Za-Baikal*, 400
—— Building of, 70
—— Etape, 44, 69, 667
Soldiers employed for, 667
—— Fleas and vermin in, 363
—— Furniture of, 71
—— Kinds of, 68
—— Local committees in connection with, 77
—— Location of, 69
—— *Perisylnie*, 44, 69
—— Petersburg, Visitation of, 2
—— Russian and Finnish, 63
Private mines, 81
Privileges to free colonists, 698
Procession at fire of Irkutsk, 260
Processions, Church, 174
"Prodigal Son" for distribution, 7
—— Hammering up the, 190, 238
Profession of an advocate, 582
Proprietors of gold-mines, 226

Protestant churches in Siberia, 726
Protestants in Siberia, 726
Protodiakonoff of Khabarofka, 673
Province, Governor of a, 51
Provisions aboard steamboats, 512
—— at Barnaul, Cost of, 158
—— at Blagovestchensk, Cost, 527
—— at Irkutsk, 265
—— at Juchova, Price of, 120
—— at Kara, Cost of, 80
—— at Surgut, Price of, 120
—— at Tobolsk, Cost of, 105
Punishment in the mines, 456
—— of prisoners, 84, 421

QUASS (or *kvas*) at Tomsk, 224
—— for miners, 224
"Quicksilver"-mines, 409
—— Baron R[osen] on, 409
—— Eden, Mr., on, 410
—— *Newcastle Daily Chronicle* on, 409
—— *Sheffield Daily Telegraph*, 747
—— Supposed deadly fumes, 412

"RACES of Russian Empire," by Dr. Latham, 57
Railway, A new line of, 17
—— journey of 2,670 miles, 24
—— Petersburg to Moscow by, 25
—— transport of exiles, 42
Railways in Russia, 25
Rain in the Primorsk, 565
Rapids of Angara River, 311
Rasdolnoi, Cockroaches at, 702
Raskolnik exiles, 32
Rates for telegrams in Siberia, 522
Ravenstein on the Amur, 581
Réclus, M., "Géographie Universelle" of, 631
—— on the first exiles, 31
—— on the Yurak-Samoyedes, 103
Reformation of Russian Church, 753
Registers, Church, 174
Registration of gold-mines, 217
"Reign of Terror" described in *Daily Telegraph*, 45
Reindeer, Horns of, 209
—— riding, 306
—— taken in chase, 209
—— Yakutes' use, in travelling, 306
Release of exile, 38
Religion of Buriats, 370
—— of Daurians, 549
Religion of Gilyaks, 609
—— of prisoners, 72
—— of sailors, 741
Religious scruples of exiles respected, 460
—— services of Author at Vladivostock, 725
—— Tract Society in Russia, 705
Revision of Church books by the Patriarch Nikon, 758
Rhinoceros on the Lena, 289
Riches of the Demidoffs, 23
Riding in the *taiga*, 212
Ritual of Russian Church, 166
Rivers of Sakhalin, 649
—— in the Primorsk, 562
Roads of Irkutsk, 139
—— of Siberia, 51-2
—— in Yeneseisk, 139
Rob Roy cuisine, 145
Robberies by the Manzas, 715
Rooms in Siberian houses, 192
Rooski Rabotchi for distribution, 7
—— Subscribers to, 184
Rosaries, Russian and Roman, 61
R[osen], Baron, on "quicksilver"-mines, 409
—— on political prisoners, 387
—— on situation of Chita, 425
"Rotten Row" of Krasnoiarsk, 231
Roumanian grant of Bible Soc., 3
Route of exiles *viâ* Suez Canal, 44
—— *viâ* the Shilka, 52
Routes across Siberia, 281
Rozguildieff, Cruelty of, 419
Ruins of Irkutsk after the fire, 267
Runaway exiles, Capture of, 40
—— prisoners at Kara, 465
Ruschkova, Finns at, 5
Russ, *British Workman* in, 7
Russia and China. Boundary, 487
Difficulties between, 501
Ethnography of, 206
Treaties between, 323
—— Appeal by Amur tribes for Chinese help against, 493
—— Asiatic boundary line, 49
—— Author's previous tours in, 2
—— Chinese exports into, 341
—— Church bells of, 332
—— Early Chinese frontier, 323, 487
—— Education in, Cost of, 719
Subjects of study, 720
—— Ethnography of, 206

Russia in Asia :
Area of, 18
Ethnography of, 19, 52
Population of, 20
—— Population of, 206
—— Railways in, 25
—— Tea in, Price of, 325
Russian annexation of Siberia, 109
—— cemeteries, 152
—— Church :
Bible, The, and, 181
Burial services, 152
Foundation of the, 751
Reformation of the, 753
Rural deaneries of the, 163
Schisms of the, 756
Transition of the, 752
—— conquests on the Amur, 489
—— conscription, Method of, 736
—— courts of law, 73
—— custom of addressing friends, 406, 620
—— dislike of mutton, 628
—— drunkenness compared with English, 544
—— gold, 211
—— Greek, and English Church, Distinctions between, 162
—— Judges, 73
—— Littoral, Number of Chinese in, 714
—— peasantry—How they live, 698
—— photography, 434
—— politicians, 748
—— prison, Account of a, 380
—— prisoners, Condition of, 64
—— salutation, Mode of, 406
—— Scriptures printed for Bible Society, 8.
—— sea-trading adventure, 761
—— trade, Effects of gambling, 627
Russians afloat, 733
—— Amusements of, 621
—— at home, 620
—— Gambling of, 119
—— "Little," as colonists, 32
—— Superstitions of the, 620
—— Sympathy of, for Decembrists, 32, 378
Russo-Chinese commerce, Kiakhta as a centre of, 324

SABBATH, Prisoners' observance of, 422-55

Sables of Olekma, 295
—— of Vitim, 295
—— skins of Manchuria, 696
Khabarofka, Sale at, 578, 696
Sacrament of Penance, 169
—— of Unction, 169
Sacred pictures as objects of worship, 331
Sailors of Siberian fleet :
Clothing of, 736
Food of, 736
Pay of, 734
Religion of, 741
Sakhalin : Ainos, 650
—— Card-playing at, 656
—— Coal at, 651
—— Fauna of, 649
—— Flora of, 649
—— Food of natives, 650
—— Island of, 648
—— Lakes of, 649
—— Mountains of, 649
—— Orochons in, 649
—— Population of, 649
—— Prisoners at, Labour of, 658
North China Herald on, 652-8
Number of, 652-3
—— Rivers of, 649
—— Trade in trepangs, 650
—— Ula-Hotun, Town of, 550
—— Vagrants' deportation to, 37
Salaries of telegraph clerks, 724
Salary of Commandant of Kara prison, 461
Salmon at Nikolaefsk, Cost of, 628
Salt-works at Telma, 243
Salutation by Buriats, 356
—— Chinese method of, 356
—— Russian mode of, 406
Salvage from Irkutsk fire, 258
Samovar required and *not* required, 145, 221
Samoyedes, Country of, 98
—— Dress of the, 99
—— Honesty of the, 102
—— Howorth, Mr., on the, 98
—— Idols of the, 103
—— Seebohm on the, 98
—— Yurak, Réclus on the, 103
Scenery of Bureya mountains, 537
—— of the Lower Amur, 580
—— of the Middle Amur, 535
—— of the Shilka River, 483

Scenery of the Sungacha River, 684
Schisms of Russian Church, 756
Schlüsselburg prison, 68
School at Kansk, 237
—— at Medvedsky, 150
—— at Obdorsk, 103, 150
—— at Omsk, 150
—— at Tiumen, 150
—— at Tobolsk, 150
—— at Tomsk, 130
—— for Gilyaks, 604
—— for prisoners' children at Irkutsk, 278
Schools at Vladivostock, 719-21-23
—— in the Primorsk, Number, 723
—— Inspection of, 11, 278
—— Teachers' salaries, 722
—— Training institutions for masters, 278
Scientific explorations in Siberia, 768
Scoptsi as a fanatical sect, 758
—— Doctrine of the, 205
—— village of dissent, 205
Scorbutus in Alexandreffsky hospital, 249
Scripture depôt at Krasnoiarsk, 232
—— distribution at Archangel, 733
at Mariinsk, 665
at Nikolaefsk, 666
at Sophiisk, 665
at Tiumen, 184
at Tomsk, 185
at Tyr, 665
by Author, 3, 703
Curiosity of fellow-passengers, 539
in Akmolinsk, 186
in Semipolatinsk, 186
in the Primorsk, 703
Letters concerning, 401, 403
on Upper Amur, 538
Total up to Tomsk, 186
Scriptures on steamboat, 668
—— for Aniva Bay, 660
—— for distribution on Siberian tour, 7
—— for Dui, 660
—— for Khabarofka, 667
—— for Krasnoiarsk province, 233
—— for Nikolaefsk hospital, 617
—— for Verchne-Udinsk, 318
—— in Russ, printed for Society, 8
—— purchased by prisoners, 121
Scriptures, Reception of, in Siberia, 185
—— taken for distribution, 11
—— Turkish, read by Tatars, 61
—— Wish of Bible Soc. for new translations, 673
Scurvy among prisoners, 472
Sea-borne exiles, 45
—— coast province (*see* Primorsk)
—— communication with Europe, 107
—— of Okhotsk, 631
Whales in the, 631
—— trading adventures of the Russians, 761
Seamen, Clothing of, 737
Season for gold-mining, 462
Sect of *Dukhobortsi*, 760
Sects of *Bezpopoftschins*, 759
Seebohm on ornithology of Yenesei, 763
—— on the birds of the Yeneseisk province, 202
—— on the Samoyedes, 98
—— on the Yenesei, 198
—— with Capt. Wiggins, 763
Selenginsk, English mission at, 318
Seminary at Kasan, 14
Semipolatinsk, Distribution of tracts at, 186
—— Finsch, Dr., in, 159
Senate a Court of Appeal, 73
Sentences of exiles, 35
—— of prisoners at Kara, 450
Serfdom, A remnant of, 272
Serfs, Former condition of, 23
—— Riches of the Demidoffs, 23
Sermons, 460, 671
—— in Petersburg, yearly, 460
Servants, Exiles as, 730
—— wages at Vladivostock, 570
Service, Church, 165-6
—— at Nikolaefsk, 619
—— on board the *Djiguitt*, 740
Services, Author's religious, 701, 709-25
—— of the Russian Church for Buriats, 152
Settlement of peasants on the Zeya, 531
Shaman Buriats, Conversion of, 374
—— Costume of a, 158
Shamanism, Belief in, 405
—— of the Daurians, 549

Shamanism of the Gilyaks, 609
—— "Priest's Stone," The, 311
—— Victims of, 311
Shan-Alin mountains, 669
Shawls, Orenburg, 26
Sheep, Mongolian, 552
—— of the Yeneseisk province, 204
—— Russian dislike of mutton, 628
Sheffield Daily Telegraph, Extraordinary statement of, 746
—— on "quicksilver"-mines, 747
Shilka—Boundary of Russia and China, 487
—— Cliffs on the, 483
—— Collins's voyage down the, 441
—— Fair on the, 488
—— Formation of the river, 482
—— Granite rocks on the, 487
—— Knox, Mr., on the, 441
—— Mineral springs, 488
—— Scenery on the, 483
—— Shipyards on the, 420
—— Siberian route *viâ* the, 52
—— Territory, Discovery of, 492
Occupation of, 492
Shipyard at Sivakoff, 420
—— employment for prisoners, 420
Shoeing horses, Method of, 232
Shologon tribe of the Oronchons, 507
Shop of a Manchu tradesman, 553
Shrine of Innokente at Irkutsk, 274
Siberia—Amur route, 52
—— Animals, Wild, 697
—— Bed a novelty, 444
—— Bibliography of, 772
—— Books on, 629
—— Boundaries of, 49
—— Caravan transport in, 354
—— Carriage, Cost of, 105, 746
—— Cossack conquerors of, 281
—— Eastern: Number of exile colonists, 451
—— Explorations of, 766
—— Exports from, 105, 341
—— Finnish colonies in, 131
—— Fish pie a luxury, 432
—— Furs exported from, 295
—— "Governments" in, 50
—— Journeys of previous travellers, 282
—— Landscape scenery of, 189
—— Manufactories of, 241
—— Materialism in, 705
Siberia—Navigation, Early, 767
—— Nordenskjold, Discoveries, 761
—— North-east, Flora of, 645
—— Political divisions of, 50
—— Population of, 52
—— Prison-life in, Misrepresentations of, 379-83, 413-16-68, 744
—— Prisoners in, Trial of, 73
—— Protestants in, Number of, 726
—— "Quicksilver"-mines of, 409
—— Roads of, 52
—— Routes across, 281
—— Russian annexation of, 109
—— Scientific explorations in, 768
—— Sea communication with Europe, 107
—— Steamboat passengers in, 118
—— Temperature of, 50
—— Towns of, 192
—— Western and Eastern, 51, 188
—— Wiggins, Discoveries of, 761
Siberian butter, 188
—— cathedrals, 165
—— cheese-making, 188
—— Church:
Knowledge, Sources of, 161
Nunneries of, 163-79
—— churches, 163, 332
—— courts of law, 73
—— ferry, 139
—— fleet, 734
—— fruit, 149
—— horses, 123
—— hospitality, 194, 353, 431
—— hospitals, Impressions of, 618
—— hotel-dining, 431
—— houses, 190-2
—— leave-taking: the *podkee-dovate*, 353
—— posting, 134
—— prison, Building of, 70
—— prisoners, Books on, 379
—— rooms, 192
—— sailors, 741
—— State bank, 578
—— tour, Scriptures for distribution on, 7
—— village, Description of a, 190
Sibir, Fortress of, 110
Sick, Visitation of the, 169
—— and aged among the Koriaks: Treatment of the, 643

Sidoroff, M.K., and Russian sea-trading adventure, 761
Sieges of Albazin, 515
Sikhota-Alin range of mountains, 561, 669
Silovanoff, *Scoptsi* village at, 205
Silver found in the Za-Baikal, 378
—— mine, Collins's descent, 412
—— mines at Nertchinsk, 411
Cruelty of Rozguildieff, 419
Food at, 419
Formation of, 422
Labour, Hours of, 423
of Altai region, 411
Women not working in, 417
—— money at Khabarofka, 715
Chinese demand for, 715
—— smelting at Barnaul, 156
Singing in cathedrals, 165
Situation of Khabarofka town, 577
—— of Tiumen, 27
—— of Vladivostock, 711
Sivakoff, Punishment at, 421
—— Shipyard at, 420
Skaka, an outdoor game, 621
Sledging in Kamchatka, 637
Sleeping in a tarantass, 187
Smelting of iron by Yakutes, 304
Smuggling spirits into prison, 67, 317
Sokoloff, Mr., Inspector of schools, 278
Soldiers, Educated, exempt from military service, 720
—— in East Siberia, Number of, 667
—— in the Primorsk, Number of, 667
—— Officers, Pay of, 668
Sophiisk, Amur at, Width of, 585
—— Population of, 585
—— Scripture distribution at, 665
"Souls" in Russia, 23
Souvenirs from Orenburg, 26
—— from Yakutsk, 303
Spectacle of Irkutsk fire, 260
Speed of the *Djiguitt*, 735
Stables at gold-mine, 223
Stallybrass, Mr., and the Selenginsk mission, 320
Starosta of a prison, 454
—— of a village, 51
Staroveri, Sect of the, 759
State prison at Petrovski, 387
Statistics of criminals, 72
—— of prisoners in Siberia, 69
—— of Russo-Chinese trade, 714
Stauropegia monastery, 177-8
Steamer aground on the Amur, 511
Steamers, Arrival of, uncertain, 117
—— Carriage of Scriptures, 668
—— Departure of, uncertain, 117
—— Exiles conveyed by, 42
Conveyance *viâ* Suez, 14
—— Journeys on board, 16, 118-19, 314, 505-11, 669, 708-43
—— Meals on board, 513
—— on the Kama, 29
—— on the Obi, 29
—— on the Yenesei, 203
—— Passengers on board, 118
—— Provisions on board, 512
Stepanof's expedition on the Amur, 491
Stipend of priests, 172
Stones, Precious, in neighbourhood of Nertchinsk, 407
Storehouse at Middle Kara, 455
Storms on Lake Baikal, 312
"Story of Elizabeth," by Madame de Cottin, 379-83
—— of English mission at Selenginsk, 320
Strahlenberg on the Yakutes, 305
—— Travels of, in Siberia, 282
Streets and houses of Maimatchin, 339
Stretinsk, Shipyard at, 420
—— Town of, 438
Students' education at Blagovestchensk, 523
Subbotniki, Sect of, 451
Subscribers to the *Rooski Rabotchi*, 184
Suez Canal route for exiles, 44
Suifun River, Width of the, 708
Suifun steamer, Travelling on board the, 708
Sundays, Refusal of prisoners to work on, 422
Sungacha River, Fish of the, 679
—— Mosquitoes on the, 684
—— Scenery at Markova, 684
Sungacha, On board the, 669
Sungari River, Mouth of the, 541
Superstitions of Gilyaks, 605
—— of the Russians, 620
Surgut, Population of, 123

Surgut, Provisions at, Price of, 120
Swan, Mr., and the Selenginsk mission, 320

TAGIL, Hospital at, 24
—— Temperature at, 24
Taiga, Gold-seeking in the, 213
—— Riding in the, 212
Talking by signs, 442
Tallack, Mr., Mistake of, in Howard Association Report, 745
Tarantass, Cost of, 136-40
—— Description of the vehicle, 135
—— Loan of, by Mr. O. Cattley, 27
—— travelling in spring, 55
Clothing for, 50
Hearthrugs for, 136
Manner of progress, 138
Mishaps, 193, 251
Sleeping, 187
Tariff at post-houses, 141
Tatars, Ancestors of the, 57
—— Appearance of, 58
—— as coachmen or servants, 58
—— at Barnaul, 62
—— at prayers, 61
—— Head-dress of women, 58
—— Houses of, 59
—— in the Kasan government, 15
—— Mohammedan mosques, 59
—— Monuments of the, 589
—— of the Yeneseisk province, 205
—— Turkish Scriptures read by, 61
—— Worship of the, 14, 59
Taxes in the Primorsk, 571
Tayashnik, Income of a, 217
—— Work of a, 213
Taz River fishery, 123
Tcherimisi idols, 14
Tchuvashi idols, 14
Tea, a traveller's requisite, 142
—— Buriat invitation to drink, 366
—— caravans in Siberia, 354
—— Chinese use of, 340
—— consumed at mines, 224
—— Importation of, into Russia, 325
—— in Russia, Price of, 325
—— Love of Russians for, 534
—— used as coin, 343
Teetotalism in Russia, 545
Telegraph clerks, Pay of, 724
Telegraph, Daily, and the "Reign of Terror" in Russia, 45
—— Misrepresentations of the, 745
Telegraph, Daily, on number of political prisoners, 397
—— *Sheffield Daily*, Misrepresentations of, 746
Telegraphic communication at Vladivostock, 724
Rates for telegrams, 522
Telma, Salt manufactory at, 243
Temperature, Difference between London and four Siberian towns, 427
—— of Blagovestchensk, 532
—— of Khabarofka, 579
—— of Nertchinsk, 426
—— of the Obi, 50
—— of Siberia, 50
—— of Tagil, 24
—— on the Vega, 563
—— of Vladivostock, 50, 563
—— of Yakutsk, 296
—— of the Yeneseisk province, 200
Temple at Aigun, 558
—— Buddhist, at Maimatchin, 344
Temples of the Manchu, 549
Tents of the Oronchons, 509
Thames in the Kureika, 103, 198
Theatre at Aigun, 558
Théel, M., on the Tunguses, 207
—— on the Yenesei, 197
—— on the Yuraki, 207
Tichmeneff, General, 666
Tigers at Khabarofka, 689
—— Gilyaks' fear of, 606
—— in Vladivostock, 700
"Tips" to *yemstchiks*, 140
Tiumen, Commerce of, 27
—— Exiles passing through, 395
—— Ignatoff, M., at, 29
—— Ispravnik of, 29
—— Mayor of, 27
—— Population of, 27
—— Prisoners' food at, 78
Irons at, 85
Jewish, 460
—— Schools at, 28, 150
—— Situation of, 27
—— Tract distribution, Plan for, 184
—— Wardropper's firm at, 27
Tobacco grown at Nertchinsk, 425
Tobolsk, Area of, 97
—— as a capital, 109
—— Ethnography of province, 98
—— Exiles' journey to, 42
—— Fertility of, 104

Tobolsk, Governor of, 113
—— Hard-labour prisons at, 70, 82
—— Lakes of, 97
—— prison, Convicts' opinions of, 115
—— Prisoners' labour at, 114
—— Provisions at, Cost of, 105
—— School at, 150
—— Surface of, 97
—— Tract distribution at, 183
Archbishop's opinion of, 183
Tom, Iron in the valley of the, 104
Tomsk, Bazaar at, 128
—— Beggars at, 228
—— Bible Society's depôt at, 237
—— Climate of, 127-46
—— Cows near, 188
—— Departure from, 186
—— Flora in vicinity of, 149
—— hospital, 229
—— Jail at, 128
—— Madness through drink at, 229
—— Population of, 127
—— Prison school at, 128
—— Prisoners at, 78
—— Province of, 127
—— Punishment of prisoners at, 129
—— *Quass* at, 224
—— School at, 130
—— Scripture distribution at, 185-6
—— Towns of, 128
—— Tract distribution at, 129
—— Vegetation south of, 146
Topaz and emeralds of the Odon-Tchelon mountain, 407
Town of Aigun, 495, 558
—— of Ekaterineburg, 25
—— of Krasnoiarsk, 227
—— of Nikolaefsk, 624
—— of Verchne-Udinsk, 317
—— without women, 338
Towns, Manchurian, 550
—— Siberian, 192
Civic arrangements, 716
Doctors in, 619
Tracts :
Distribution at Tiumen, 184
—— at Tomsk, 129
—— Archbishop of Tobolsk on, 183
—— Author's work in Western Siberia, 733
—— for Akmolinsk, 186
—— for Semipolatinsk, 186
—— on the *Irtish*, 121
Tracts, Distribution of :
Total up to Tomsk, 186
—— Gift of, by Miss Hellmann, 53
—— People's reception of, 185
—— Religious Tract Society's work in Russia, 705
—— taken for distribution, 8
—— Total number distributed by Author, 704
Trade at Nikolaefsk, 626
—— Bribery in, 626
—— customs, 627
—— Drunkenness, Effect of, on, 627
—— Gambling, Effect of, on, 627
—— Immorality, Effect of, on, 627
—— in trepangs, 650
—— on the Obi, Oswald Cattley on, 27, 108, 761
—— Russian and Chinese, 714
Tragedy in prison, 154
Training institutions for schoolmasters, 278
Trans-Baikal province, Area of, 400
Destination of political offenders, 377
Gems found in the, 378, 428
Gold found in the, 378, 428
Population of the, 400
Silver found in the, 378, 428
—— prisons, Books for, 400
Transition period of Russian Church, 752
Translations into Aino, 650
Transport of Exiles by barges, 29
By rail, 42
To Ekaterineburg, 43
To Nijni Novgorod, 43
To Perm, 43
—— of Nihilists, Mode of, 46
—— of prisoners to Finnish colonies, 131
Travaux forcés in prison, 113
Travellers on the Lena, 282
—— on the Mongolian route, 349
Travelling, Courier, 134
—— in winter, Difficulties of, 306
—— Manner of, 135
Travels in Siberia, De Lesseps', 282
—— of John Ledyard, 283
Treaties at Nertchinsk, 324, 428
—— between Russia and China, 323
Treatise on the Duty of Priests, 181-2
Treatment of penal colonists, 728

Trees at Khabarofka, 579
—— in Kamchatka, 636
—— in the Primorsk, 566
—— in the Yenesei valley, 105
—— in vicinity of Albazin, 515
—— on the Lower Amur, 579
—— on the Upper Amur, 515
Trepangs, Trade in, 650
Trial by jury, 73
Tribes in the Primorsk, 567
Tributaries of the Lena, 288
Troichátka, Description of, 90, 92
Troitzka, Mission school at, 604
Troitzkosavsk, A "miracle" at, 330
—— Koecher, Mr., at, 323
—— Market at, 327
—— Prison at, 327
Tundras of the Obi district, 105
—— of the Yeneseisk province, 200
Tunguses—A *Shaman's* costume, 158
—— fair on the Shilka, 488
—— Latham, Dr., on the, 206
—— of the Yeneseisk province, 206
—— Yuraki, M. Théel, on the, 207
Tura River, 27
Turkish race, Dr. Latham on, 206
—— Scriptures read by Tatars, 61
Types of Russian religious gentlemen, 706
Tyr, Cliff at, 589
—— Scripture distribution at, 665
Tzar's ukase for conversion of Yakutes, 305

ULEABORG, A female prisoner at, 41
Unction, Holy, Office of the, 169-70
Ural mountains, 17
—— Gold-washing in the, 211
Usine at Barnaul, 153-6
—— at Irkutsk, 268
Ussuri, Card-playing on the, 680
—— Cossacks in Primorsk, 568
Warlike nature of, 681
—— Course of the, 669
—— Fish in the, 679
—— Length of the, 679
—— Upper, Ginseng plantations of the, 566
Ust-Strelka, The Amur at, 514

VACCINATION in the Primorsk, 571
Vagrants, Deportation of, 37
Vega frozen in, 646
—— rounding Cape Cheliuskin, 292
—— Temperature on the, 563
Vegetables of Kamchatka, 645
Vegetation at Nertchinsk, 426
—— at Sakhalin, 649
—— at Vladivostock, 690
—— south of Tomsk, 146
Venyukoff's mission to Peking, 494
Verchne-Udinsk, Population of, 317
—— Posting letters at, 354
—— Prison at, 317
Scriptures for, 318
—— Town of, 317
Vermin in Siberian prisons, 363
Verst-posts, Distances between, 436
Vestments of clergy, 163
—— Splendour of, 164
Victims of Shamanism, 311
Village church procession, 174
—— deserted at Pashkova, 671
—— education, 150
—— of the Gilyaks, 593
—— of the *Scoptsi*, 205
—— settlers on the Amur, 588
—— Siberian, Description of a, 190
—— *Starosta*, or chief man, 51
Virgin, Commemorations of the, 165
Visit to a Chinese merchant, 339
—— to a gold-mine, 211
—— to a Kara mine, 463
Visitation of the sick, 169
Visits to prisoners, 246
Vitim, Sables of, 295
Vladivostock, Author's religious services at, 725
—— barracks, 718
—— Boys' Industrial School, 723
—— Chinese houses at, 716
Junks at, 716
—— Coal-mines at, 678
—— Commerce of, 716
—— De Vries, Capt., Lodging with, 712
—— Exports at, 714
—— Foreign communications, 723
—— Fruit-trees at, 690
—— Girls' Institute, 721
"Best-beloved" prize, 722
—— Harbour of, 712
—— High-class school at, 719
—— Imports at, 714
—— Inhabitants of, 713

Vladivostock lock-up, 719
—— Lutheran church at, 717
—— Mills at, 709
—— Morality at, 723
—— Naval hospitals at, 617
—— Penal colony at, 726
Dress of prisoners, 728
Treatment of convicts, 728
—— Pleasure garden at, 717
—— Poor relief at, 717
—— Population of, 712
—— Port of, 666
—— Potatoes at, 690
—— Priest of, 730
—— Rain at, 565
—— Russian inhabitants of, 715
—— Situation of, 711
—— Telegraphs in, 724
—— Temperature at, 50, 563
—— Tigers in, 700
—— Wages of convict women servants at, 570
Vodka and alcohol, 544
Voguls, 98
Volcanoes, 562, 635
Volga, Voyage on the, 16
Voyage down the Shilka by Collins, 441
—— of Knox on the Shilka, 441

WAGES at Nikolaefsk, 590
—— of convict servants, 570
—— of gold-miners, 223
Walking of exiles to destination, 44
War, Anglo-Chinese, Influence of, 501
—— Crimean, Influence of, 497
Wardropper's engineering firm at Tiumen, 27
Water, Benediction of, 169
Weather in crossing Europe, 24
—— on Lower Amur, 627
Weddings among the Goldi, 601-74
Western and Eastern Siberia, 51, 188
—— Siberia, Author's work in, 733
Whales in the Sea of Okhotsk, 631
Wheelwright, An extortionate, 193
Whyte on number of political exiles, 394
Wiborg prison, 63
Wife-beating, 270
—— Goldi's price of a, 601-74
Wiggins, Capt., accompanied by Seebohm, 763
—— dealing with Ostjaks, 103
—— Discoveries of, 761
—— in the Obi gulf, 106
—— Navigation of the Kara Sea 51, 768
—— on Siberian miners, 225
—— The *Thames* in winter quarters, 198
Wild-fowl of Kamchatka, 637
Winter climate at Irkutsk, 264
—— dress of Gilyaks, 597
—— habitations of Gilyaks, 595
Wives accompanying exiled husbands, 36
—— of prisoners, 388
Women, Churching of, 167
—— criminals at mines, 467
—— Gilyaks' estimation of, 601
—— in silver-mines a myth, 417
—— Town without, 338
Work at Alexandreffsky prison, 446
—— "Fabric," 82
—— in mines, 82
—— of a *tayoshnik*, 213
—— of prisoners, 446
—— Prison, Lack of, 247
Working hours at a gold-mine, 224
Works at Nijni Tagilsk, 20, 21
—— consulted or referred to, 772
—— Iron, at Petrovsky Zavod, 355
World, Itinerary round the, 770
Worship: Altars of sacrifice, 59
—— Candles used at, 164
—— Gilyak idols, 606
—— "High places," 405
—— of images, 164
—— of pictures, 164, 331
—— of prisoners in Petersburg, 65
—— of Tcherimisi, 14
—— of the Tatars, 14, 59
Writing to prisoners' friends, 84, 236

YABLONOI mountains, View of, 360
Yakute dogs, Breeding of, 304
Yakutes: Tsar's ukase for their conversion, 305
—— Description of the, 299
—— Dress of the, 302
—— Dwellings of the, 300
—— Furniture of houses, 301
—— Gluttony of, 301, 307

Yakutes, Horseflesh eating, 301
—— Horses, Treatment of, 308
—— Iron-smelting by, 304
—— Language of the, 305
—— Reindeer, Use of, 306
—— Strahlenberg on, 282-99, 305
Yakutsk, Foundation of, 112, 281
—— Gold and mica found at, 295
—— government, Prisoners in, 37
—— Population of, 294
—— Souvenirs from, 303
—— Temperature at, 296
—— Travelling, Difficulty of, 306
Yemstchiks, 138
—— Buriats as, 369
—— Drunkenness of, 252
—— "Tips" to, 140
Yenesei, Current and proportions of, 197
—— Fish of, 201
—— Floods, 198, 219
—— Flora of, 219
—— Length of, 19
—— Outlet to Europe and Japan, 51
—— Peacock's description of, 197
—— Seebohm on the, 198
On ornithology of, 763
—— Settlement of Tunguses on the, 206
Yuraki, on the, 206
—— Sources of the, 196
—— Steamers on the, 203
—— Thèel's description, 197
—— valley, Iron ore in the, 210
Trees in the, 105
Yeneseisk, Animals of, 209
—— Birds of, 202
Yeneseisk, Boundaries of, 199
—— Cattle of, 204
—— Forests of, 200
—— Founding of, 112
—— Lakes of, 200
—— Population of, 203
—— Roads in, 139
—— Tatars of the province, 205
—— Temperature of, 200
—— Town of, 205
—— Tundras of, 200
—— Tunguses, 206
Yermak, Conquests of, 57
Yourts of the Ostjaks, 124
Yukaghirs, 298
Yule, Mr., and the Selenginsk mission, 320
Yurak-Samoyede idols, 103
Réclus, M., on the, 103
Yuraki settlement on the Yenesei, 206
—— Thèel, M., on the, 207
—— Tunguses, M. Thèel on the 207
Yuryef monastery, Life in the, 178

ZA-BAIKAL, Gold found in the, 462
—— Metals in the, 378
—— Silver found in the, 378
Zavod work for criminals, 82
Zemski post, 239
Zeya, Course of the, 531
—— Mouth of the, 531
—— Peasants on the, 531
Zeya, Drunkenness on board the 506
—— Travelling on board the, 505
511

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NOTICES OF THE PRESS.

The Times. (*One column.*)

"The reader who will follow this long Odyssey, with all its episodes of considerable hardships, and not without dangers, will find in Mr. Lansdell's volumes all that can interest him about Siberia—a country which was once looked upon merely as a place of durance and banishment, with weeping and gnashing of teeth, but which begins now to be better known as a land in many parts of prodigious fertility and transcendent beauty. . . . . Mr. Lansdell appears to have been delighted with almost everything he saw. . . . . He lays claim to the character of an impartial writer, and if his mind was in any way biased it can only have been by those warm chivalrous sympathies which prompted him to an enterprise of charity and humanity, and by a sense of gratitude for the great kindness and hospitality with which he seems to have been welcomed at every stage of his progress."

The Athenæum. (*Five columns.*)

"With the exception of Mr. Mackenzie Wallace's 'Russia,' the best book on a Russian subject which has appeared of late years is Mr. Lansdell's 'Through Siberia.' It is a genuine record of a remarkable expedition, written by a traveller who has evidently eyes with which to see clearly, and a mind free from prejudice or bias, whether political or theological. . . . . Mr. Lansdell may be congratulated on having rendered a great service to the convict population of Russia. . . . . But the service which he has rendered to English readers is of a more signal nature. . . . . Mr. Lansdell's book will now enable every one to judge for himself."

The Illustrated London News.

"We can promise the readers of Mr. Lansdell's book a great deal of entertainment, combined with instruction, in the survey of such an immense field of topography, natural history, and ethnology, and in the plentiful anecdotes of wayside experience and casual observation. . . . . His statements are characterised by an imposing air of precision, and are fortified by official statistics, which claim due attention from those candidly disposed to investigate the subject."

Proceedings of Royal Geographical Society.

"Mr. Lansdell's work contains much incidental detail likely to be of practical utility to other travellers, apart from its special philanthropic and economical aspects, and the convenience of its collected descriptive matter. The observations on the various races met with, especially in the extreme eastern part of the journey, are of considerable interest, as are the accounts of the actual conditions of the country at the present time."

NOTICES OF THE PRESS.

Church Missionary Intelligencer. (*Four pages.*)

"Mr. Lansdell has spared no pains or labour to make his book as complete as possible. It is altogether different from even the higher class of books of travel. It teems with information of every possible kind; . . . . the footnotes are quite a remarkable feature for the minuteness of statistical detail with which every subject touched upon—geographical and ethnographical, economic and commercial, ecclesiastical and literary, imperial and municipal—is illustrated."

Record. (*One column.*)

"The interest of 'Through Siberia' is varied, and the revelations of the book will attract various minds. The Christian will find herein much which will move his pity for souls; the ecclesiastic will note with attention many striking passages which will assist his studies in comparative religion, and supply links between different ages and differing Churches; the philanthropist will engage himself with existing human wrongs, and seek for suggestions as to methods for redressing and removing them; the statesman may find light, lurid, indeed, and terrible, cast on pressing questions of State policy and relation of classes; while the man of science will not search these pages in vain for facts in ethnology, geography, geology, climatology, sociology, and philology, which will enrich his stores and supply missing links in his world of study."

The Field.

"The utmost commendation must be given to the reverend author, not only for his personal work, but for the good taste that has impelled him to describe his religious labours in language understanded of the laity. . . . . His observations on the varied aspect of the country, its products and capabilities, the actual condition of cities and villages, society, means of travel and accommodation, and the many tribes and races met with, will be perused by the general reader with the greatest interest; whilst a good index enables the student of ethnology, mineralogy, and other physical sciences, etc., to discover the many special notes scattered throughout the book."

The Globe. (*One column.*)

"In addition to a large amount of valuable information respecting convict life in Siberia, the author gives many interesting details of the semi-barbarous countries through which he travelled. . . . The illustrations and maps will be found very serviceable in elucidating the text, and the work as a whole deserves no slight measure of praise."

The Rock. (*One column.*)

"The volumes are got up with great care, and remarkably well illustrated. The books will amply repay perusal; and to all who desire to obtain an insight into Russian manners and customs we confidently recommend them."

The Academy. (*Four columns.*)

"His book is full of interesting, valuable, and amusing information. . . . . Mr. Lansdell is never tedious; and we are of opinion that 'Through Siberia' is much more entertaining, and certainly more readable, than many novels."

NOTICES OF THE PRESS.

The United Service Gazette. (*Three columns.*)

"There is plenty of real novelty in Siberia without troubling the novelist any more. Certainly no more entertaining book of the kind, combined with usefulness, has been issued from the press for a long time. . . . Everywhere there is something new to tell us, and we wonder why in the world it is that Siberia has been left out in the cold so long."

Paper and Print. (*One column.*)

"'Through Siberia' is a book which every Englishman ought to read. . . . Mr. Lansdell's book will create a lasting sensation, and will also provide food for reflection for all who take an interest in the affairs of their fellow-creatures."

The St. James's Gazette. (*One column.*)

"Mr. Lansdell has made a point of avoiding politics; nor does it form part of his plan to inquire why the exiles, imprisoned or confined to particular districts in Siberia, were sent there. He deals only with their actual condition; and this he certainly shows to be much better than is generally supposed."

The Pall Mall Gazette. (*Two columns.*)

"In some ways Mr. Lansdell has a better right to speak about Siberia than any previous western traveller. He went right through the country, from Tiumen on the Ural boundary, to Nikolaefsk on the Pacific coast. . . . His views upon the Russian penal system are undoubtedly founded upon honest personal conviction. . . . Apart even from its main subject, it teems with useful information about the country and the people, some tribes of which Mr. Lansdell has perhaps been the first so fully to describe."

The Fireside. (*Three pages.*)

"As a work of rare interest, we commend to our readers Mr. Lansdell's charming traveller's story, a book of which three-fourths of the first edition were sold before it had fairly reached the publishers' counter. . . . That he has succeeded in gathering a mass of reliable information is evident; for a Russian Inspector of Prisons writes respecting the proof-sheets of the work: 'What you say is so perfectly correct, that your book may be taken as a standard even by Russian authorities.'"

Fraser's Magazine. (*Thirteen pages.*)

"It is no more than the simple truth which Mr. Lansdell speaks when he claims that he is in a unique position among all those who have written on the subject. He has gone where he pleased in Siberia. . . . . His testimony, therefore, is simply the best that exists. . . . . Of course it is difficult to hope that his testimony will be accepted by everyone; there are too many who, as a popular proverb says, 'love truth, but invite the lie to dinner.' But I have faith that the majority of Englishmen will perceive the untrustworthiness of Nihilistic and Polish sources. If I am wrong, it would only prove that public opinion, even in England, has lost its value."

O. K. (a *Russian* writer.)

NOTICES OF THE PRESS.

Harper's Monthly Magazine. (*One column.*)

"Since the time of Howard, no one has given us so full and fair an account of Russian prisons as is now presented to us by Mr. Lansdell, and like Howard, he finds the Russians far less cruel jailers than they are generally credited or discredited with being."

The Baptist. (*Two columns.*)

"The effect of Mr. Lansdell's laborious investigations from one end of the country to the other cannot but be salutary, and cannot, we are disposed to think, fail to promote a good understanding between Russia and other countries. . . . . It is strange, but none the less true, that no government in the world has been so ludicrously misrepresented as the Russian, and a man who undertakes to set matters in a true light before the eyes of the world deserves the gratitude of all parties. This Mr. Lansdell has done, and his book will rank as a leading book of the season."

The Saturday Review. (*Three columns.*)

"Mr. Lansdell is an acute and eager traveller, as well as an ardent philanthropist. . . . His journey . . . was one of great interest, great adventure, and great endurance. The numerous and clever illustrations with which the volumes are adorned add very much to their value. We take leave of our author in the hope that, on the one hand, neither his philanthropy nor his love of travelling is exhausted; and that, on the other hand, his first venture in the world of letters may be so favourable as to tempt him to a second venture, though perhaps on a somewhat smaller scale."

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on 28 December, 2018